

November, 1974

DMS-DR-2144
NASA CR-134,427

SPACE SHUTTLE LAUNCH VEHICLE (13 P-OTS)
STRUT SUPPORT INTERFERENCE EFFECTS STUDY
IN THE ROCKWELL INTERNATIONAL
7- BY 7-FOOT TRISONIC WIND TUNNEL (IA68)

By

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Prepared under NASA Contract Number NAS9-13247

By

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for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

(NASA-CR-134427) SPACE SHUTTLE LAUNCH
VEHICLE (13 P-OTS) STRUT SUPPORT
INTERFERENCE EFFECTS STUDY IN THE
ROCKWELL INTERNATIONAL 7- BY (CHRYSLER
CORP.) 601 F HC 315.25 CSCI 22B

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UNCLAS
J3599

NTS-12030

WIND TUNNEL TEST SPECIFICS:

Test Number: Rockwell Trisonic 281
NASA Series Number: 1A68
Model Number: 13 P-OTS
Test Dates: 17 through 29 January 1974
Occupancy Hours: 36

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ABSTRACT

Strut support interference investigations were conducted on an 0.004-scale representation of the 13 P-OTS Space Shuttle Launch Vehicle in the Rockwell International 7- by 7-Foot Trisonic Wind Tunnel from Jan. 17 to Jan. 29, 1974.

Primary objective of the test was to determine transonic and supersonic model support interference effects for use in a future Space Shuttle Launch Vehicle exhaust plume effects study. Besides the baseline configuration, five strut configurations were tested.

Thirty-seven orbiter, external tank, and solid rocket booster pressures were recorded at Mach numbers 0.9, 1.2, 1.5, and 2.0. Angle of attack and angle of sideslip were varied between ± 4 degrees in 2-degree increments. Parametric variations consisted only of the strut configurations.

TABLE OF CONTENTS

| | Page |
|---|------|
| ABSTRACT | 111 |
| INDEX OF MODEL FIGURES | 3 |
| INDEX OF DATA FIGURES | 4 |
| NOMENCLATURE | 5 |
| CONFIGURATIONS INVESTIGATED | 8 |
| TEST FACILITY DESCRIPTION | 12 |
| DATA REDUCTION | 14 |
| TABLES | |
| I. TEST CONDITIONS | 16 |
| II. DATASET/RUN NUMBER COLLATION SUMMARY | 17 |
| III. MODEL DIMENSIONAL DATA | 18 |
| IV. X COORDINATES OF STRUT LEADING AND TRAILING EDGE INTERSECTIONS WITH BODY PROFILES (FULL SCALE DIMENSIONS) | 31 |
| V. NOMINAL WING PRESSURE ORIFICE LOCATIONS (FULL SCALE DIMENSIONS) | 32 |
| VI. NOMINAL LOCATIONS, ORBITER BASE PRESSURE ORIFICES | 32 |
| VII. NOMINAL LOCATIONS OF EXTERNAL TANK PRESSURE ORIFICES (FULL SCALE DIMENSIONS) | 33 |
| VIII. NOMINAL LOCATIONS OF SOLID ROCKET PRESSURE ORIFICES (FULL SCALE DIMENSIONS) | 33 |
| FIGURES | |
| MODEL | 34 |
| DATA | 43 |

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TABLE OF CONTENTS (Concluded)

APPENDICES

- A. TABULATED SOURCE DATA - FORCE
- B. TABULATED SOURCE DATA - PRESSURE

INDEX OF MODEL FIGURES

| Figure | Title | Page |
|--------|--|------|
| 1. | Axis systems. | 34 |
| 2. | Model sketches. | |
| | a. Mated Vehicle | 35 |
| | b. Orbiter Three View | 36 |
| | c. Pressure Tap Location and Numbering Scheme | 37 |
| | d. Struts M_1 , M_2 , M'_2 and M_3 Configurations and Dimensional Data | 38 |
| | e. Strut M_4 Configuration and Dimensional Data | 39 |
| 3. | Model photographs. | |
| | a. Baseline Configuration C_1 F' | 40 |
| | b. Solid Rocket Booster Mounted Strut - Right Side C_1 F' M_2 (1) | 40 |
| | c. External Tank Mounted Strut-Fwd Position C_1 F' M_1 (1) | 41 |
| | d. External Tank Mounted Strut-Aft Position C_1 F' M_1 (2) | 41 |
| | e. Solid Rocket Booster Mounted Strut-Left Side C_1 F_1 M'_2 (1) + Wax Fillet | 42 |
| | f. External Tank and Orbiter Mounted Struts C_1 F' M_3 (1) M_4 (1) | 42 |

INDEX OF DATA FIGURES

| FIGURE | TITLE | PLOTTED | | PAGE |
|---------|---|--------------------------|------------------------|---------|
| | | COEFFICIENTS SCHEDULE | CONDITIONS VARYING | |
| | <u>FORCE DATA</u> | | | |
| Fig. 4 | Baseline Configuration Base Axial Force Coefficients | A | α, β | 1-48 |
| Fig. 5 | Strut Differential Base Axial Force Coefficients | B | Conf. | 49-63 |
| Fig. 6 | - Alpha Sweeps | B | Conf. | 64-78 |
| Fig. 7 | - Beta Sweeps | A | None | 79 |
| | Repeatability - Base Prag | | | |
| | <u>PRESSURE DATA</u> | | | |
| Fig. 8 | Wing Chordwise Pressure Coefficients at $2Y/R = 0.50$ | C | α, β | 1-41 |
| Fig. 9 | Wing Spanwise Pressure Coefficients at $X/C = 0.50$ | D | M, α, β | 42-82 |
| Fig. 10 | Strut Differential Wing Pressure Coefficients | E | $M, \alpha, X/C, 2Y/B$ | 83-200 |
| Fig. 11 | - Alpha Sweeps | E | $M, \beta, X/C, 2Y/B$ | 201-286 |
| | - Beta Sweeps | | | |
| | Model Base Pressure Coefficients | | | |
| Fig. 12 | - No Struts | F | M, α, β | 287-302 |
| Fig. 13 | - M1 Strut | F | M, α, β | 303-317 |
| Fig. 14 | - M2 Strut | F | M | 318 |
| Fig. 15 | - M2 Strut Plus Fillet | F | M, α, β | 319-334 |
| Fig. 16 | - M3M4 Strut | F | M, α, β | 335-346 |
| | Repeatability | | | |
| Fig. 17 | - Wing Chordwise Pressure Coefficient | C | M | 347-348 |
| Fig. 18 | - Wing Spanwise Pressure Coefficient | D | M | 349-350 |
| Fig. 19 | - Base Pressures | F | M | 351-352 |

PLOTTED COEFFICIENTS SCHEDULE:

- A) C_{ABX} (C_{AB0} , C_{ABT} , C_{ABS}) VS. MACH NUMBER
- B) DC_{AB0} , DC_{ABT} , DC_{ABS} VS. MACH NUMBER
- C) CP VS. X/C
- D) CP VS. $2Y/B$
- E) DCP VS. X/C and $2Y/B$
- F) CP VS. TAP NO.

NOMENCLATURE

| <u>Symbol</u> | <u>Plot Symbol</u> | <u>Definition</u> |
|---------------------|------------------------|---|
| A_b | | base area, in ² |
| b | BREF | reference span, in |
| C_A | CA | axial-force coefficient, F_A/qS_{ref} |
| C_{A_b} | CAB | base axial-force coefficient, $[(P_\infty - P_b)/q] (A_b/S_{ref})$ |
| $C_{A_{b0}}$ | CABO | orbiter base axial force coefficient |
| $C_{A_{bs}}$ | CABS | solid rocket booster base axial force coefficient |
| $C_{A_{bT}}$ | CABT | external tank base axial force coefficient |
| $\Delta C_{A_{b0}}$ | DCABO | incremental orbiter base axial force coefficient due to configuration changes |
| $\Delta C_{A_{bs}}$ | DCABS | incremental solid rocket booster base axial force coefficient due to configuration changes |
| $\Delta C_{A_{bT}}$ | DCABT | incremental external tank base axial force coefficient due to configuration changes |
| C_p | CP | pressure coefficient, $(P - P_\infty)/q$ |
| F_A | | axial force, lb |
| L_{ref} | LREF | reference length, in |
| M | MACH | Mach number |
| P_∞ | | static pressure, psi |
| P_t | | total pressure, psi |
| q | Q(PSI) | dynamic pressure, psi |
| RN/L | RN/L | Reynolds number per unit length, million/ft |

NOMENCLATURE (Continued)

| <u>Symbol</u> <u>S_{ref}</u> | <u>Plot</u> <u>Symbol</u> <u>SREF</u> | <u>Definition</u> reference area, in ² |
|---|---|--|
| T | | temperature, °F |
| X/C | X/C | wing chordwise pressure measurement location expressed as a ratio to the mean aerodynamic chord length. |
| 2Y/B | 2Y/B | wing spanwise pressure measurement location expressed as a ratio to the semi-span length |
| i | | incidence angle, positive when trailing edge down, deg |
| i _o | ORBINC | Orbiter incidence angle on external tank, positive when tail down, deg |
| α | ALPHA | angle of attack, angle between the projection of the wind X _w -axis on the body X, Z-plane and the body X-axis, deg |
| β | BETA | sideslip angle, angle between the wind X _w -axis and the projection of this axis on the body X, Z-plane, deg |
| Δ | | incremental difference |
| δ | | control surface deflection angle, deg, positive deflections are: |
| | AILRON | aileron - left aileron trailing edge down |
| | ELEVTR RUDDER | elevator - trailing edge down rudder - trailing edge to the left |
| φ | PHI | angle of roll, deg |

Subscripts

| | |
|---|--------------------|
| a | aileron |
| b | base |
| e | elevator or elevon |

NOMENCLATURE (Concluded)

| <u>Symbol</u> | <u>Plot Symbol</u> | <u>Definition</u> |
|---------------|------------------------|-----------------------------------|
| eL & eR | | elevon left and right |
| et or t | | external tank |
| i | | incidence angle |
| o | | Orbiter |
| RF | | rudder flare |
| r | | rudder |
| s | | solid rocket booster |
| t | | total conditions or external tank |
| w | | wing |
| ∞ | | free stream conditions |
| ref | | reference conditions |

Abbreviations

| | |
|-----|----------------------|
| ET | external tank |
| SRB | solid rocket booster |

CONFIGURATIONS INVESTIGATED

The model used for this test period was designated 13 P-OTS. It was comprised of the following major components, all constructed to a 0.004-scale.

Symbol

Definition

13 P-0

Orbiter vehicle 2A (modified) with provisions for 19 pressure measurements. Although alternate surfaces existed, data were recorded only at elevon, aileron, rudder and speedbrake deflections of zero. The specific elements of the Orbiter vehicle were:

Identifier

Element

| | |
|------|---------------|
| B 58 | Body |
| C 5 | Canopy |
| E 18 | Elevon |
| F 4 | Bodyflap |
| M 3 | OMS Pod |
| R 5 | Rudder |
| V 5 | Vertical tail |
| W 87 | Wing |

Modifications to the vehicle 2A configuration were the removal of the manipulator arm fairings (D7) and alteration of the nose forward of body station 300 to approximately vehicle 3 contours (Dwg. VL70-000139B)

T 17

External tank vehicle 3 configuration with provisions for 11 pressure measurements (Dwg. VL78-000041B).

S 16

Solid rocket booster vehicle 3A configuration. The left hand booster had provisions for 7 base pressure measurements (Dwg. VL77-000036A).

M₁

Strut-single strut mounted to lower surface of external tank.

M₂

Strut-single strut mounted to the side of the left solid rocket booster.

M₂'

Strut-single strut mounted to the side of the right solid rocket booster. Configuration includes fillet between ET and right SRB.

M₃ Strut-double strut configuration; M₃ mounts to lower surface of external tank

M₄ Strut-double strut configuration; M₄ mounts to upper surface of Orbiter body

Strut geometries and dimensional data are given in sketches of figures 2d and 2e. Each of the struts could be installed in one of two positions (forward or aft) on the integrated vehicle model. These positions, in terms of strut leading and trailing edge intersections with the body to which it is mated, are given in table IV.

Minor components which were installed on the major components or model assembly include the external tank protuberances, solid rocket protuberances, the attach structures, feedlines, and umbilical door beam. The specific components tested include simulation of the following.

| <u>Designation</u> | <u>Item</u> | <u>Description</u> |
|--------------------|------------------|--|
| PT ₁ | ET protuberance | LOX vent line fairing on nose of ET |
| PT ₂ | ET protuberance | LOX feed line (on main body ET) |
| PT ₃ | ET protuberance | LH ₂ vent line (on main body ET) |
| PS ₁ | SRB protuberance | Electrical tunnel fairing (on side of SRB) |
| PS ₂ | SRB protuberance | Attach ring (around dia. of SRB) |
| PS ₃ | SRB protuberance | Separation rocket fairing (on nozzle of SRB) |
| AT ₅ | Attach structure | Front Orbiter/ET |
| AT ₆ | Attach structure | Left rear Orbiter/ET |

| | | |
|-----------------|------------------|---|
| AT ₇ | Attach structure | Right rear Orbiter/ET |
| AT ₈ | Attach structure | Front SRB/ET |
| AT ₉ | Attach structure | Rear SRB/ET |
| FL ₁ | Orbiter feedline | LOX feed line |
| FL ₂ | Orbiter feedline | LH ₂ feed line ... |
| FR ₁ | Fairing | Modified umbilical door fairing (at rear of Orbiter between Orbiter and ET) |

The model was supported in the tunnel on the arm of a special dual sting inserted in the base of the Orbiter model. When struts M₁, M₂, M₂¹, and M₃ were installed, their outer ends were attached to and supported by the lower arm of the dual sting.

The following abbreviated nomenclature was used to facilitate writing of the various configurations.

| <u>Symbol</u> | <u>Definition</u> |
|----------------|---|
| C ₁ | OTS + P1 + P2 + A + L |
| OTS | Basic Orbiter, external tank and solid rocket boosters |
| P1 | ET protuberances PT ₁ , PT ₂ , and PT ₃ |
| P2 | SRB protuberances PS ₁ , PS ₂ and PS ₃ |
| A | Attach structures AT ₅ , AT ₆ , AT ₇ , AT ₈ and AT ₉ |
| L | Orbiter feed lines FL ₁ and FL ₂ |
| F' | Modified umbilical door fairing FR ₁ |

| | |
|--------|------------------------------|
| M_1 | ET strut |
| M_2 | SRB strut-left side |
| M_2' | SRB strut-right side |
| M_3 | ET strut-bottom of ET |
| M_4 | Orbiter strut-top of Orbiter |

Configurations tested include:

$C_1 F'$
 $C_1 F' M_1 (1)$
 $C_1 F' M_2 (1)$
 $C_1 F' M_2' (1) + \text{wax fillet between ET and SRB}$
 $C_1 F' M_3 (1) M_4 (1)$
 $C_1 F' M_1 (2)$

Note: (1) represents strut in fwd position
 (2) indicates strut in aft position

TEST FACILITY DESCRIPTION

The Rockwell International Trisonic Wind Tunnel is an intermittent blow down facility with a 7- by 7-foot tandem test section capable of testing force, duct, pressure, and flutter models at Mach numbers from 0.1 to 3.5.

Two synchronous motor-driven centrifugal compressors, operating in series, supply dry air at a rate of 40 lb/sec. to eight storage spheres having a total volume of 214,000 cu. feet. The air is dried to a moisture content of 0.001 lb. or less of water per lb. of dry air (approx. -35°F dew-point) and stored at a pressure of ten atmospheres. Flow from the air storage spheres is regulated by a servo controlled valve. The eight-foot diameter valve opens within two seconds to control and stabilize the settling chamber at a preselected pressure.

Downstream of the settling chamber is a fixed nozzle which provides a transition from the circular cross-section of the settling chamber to the rectangular cross-section of the variable nozzle. Two seven-foot wide steel plates, supported between parallel walls by hydraulic jacks, form the floor and ceiling of the flexible nozzle section. Changes in nozzle contours to produce variations in Mach number are accomplished by means of these jacks and require 30 to 50 minutes to complete.

Two test sections for supersonic, transonic, and subsonic testing are 7 ft. wide by 7 ft. high and are permanently installed in a tandem arrangement. The standard supersonic test section (for testing at Mach numbers greater than 1.3) is in the downstream end of the flexible nozzle. The

test section for subsonic and transonic operation is located downstream in the porous wall area. An access door to the test area is located in the variable diffuser.

The variable diffuser downstream of the porous wall area may be adjusted to provide subsonic Mach number control, to generate transonic Mach numbers, and to minimize start time for supersonic testing with models having high tunnel blockage.

An equivalent 5° conical expansion angle is provided in a fixed diffuser which completes the basic tunnel circuit. Downstream of the diffuser is a sound abatement muffler building where the air is exhausted to the atmosphere.

DATA REDUCTION

All pressure data recorded during the test were reduced to pressure coefficient form. Individual base axial-force coefficients for the Orbiter, external tank, and solid rocket booster (one) were calculated in the following manner.

$$C_{A_{b_o}} = \frac{-1}{S_{ref}} (0.184 C_{p_1} + 0.170 C_{p_2} + 0.390 C_{p_3} + 0.214 C_{p_4})$$

$$C_{A_{b_t}} = \frac{-1}{S_{ref}} [0.072 (C_{p_5} + C_{p_9}) + 0.144 (C_{p_{10}} + C_{p_{14}} + C_{p_{15}}) \\ + 0.082 (C_{p_6} + C_{p_7} + C_{p_8}) + 0.164 (C_{p_{11}} + C_{p_{12}} + C_{p_{13}})]$$

$$C_{A_{b_s}} = \frac{-1}{S_{ref}} [0.0158 C_{p_{16}} + 0.0594 (C_{p_{19}} + C_{p_{20}} + C_{p_{21}} + C_{p_{22}}) \\ + 0.1040 (C_{p_{17}} + C_{p_{18}})]$$

Incremental data were computed as follows:

$$\Delta (C_A \text{ or } C_p) = C_p \text{ or } A (\text{strut On}) - C_p \text{ or } A (\text{strut Off})$$

The following dimensions were used for reducing all pressure data to coefficient form.

| <u>Parameter</u> | <u>Dimensions</u> | |
|--------------------------------|----------------------|-----------------------|
| | <u>Full Scale</u> | <u>Model Scale</u> |
| Reference Area (S_{ref}) | 2690 ft ² | 6.198 in ² |
| Reference Length (l_{ref}) | 1328.3 in | 5.313 in |

Base Areas (A_b)

| | | |
|----------------------------|------------------------|-------------------------|
| Orbiter | 427.8 ft ² | 0.958 in ² * |
| External Tank | 572.55 ft ² | 1.319 in ² |
| Solid Rocket Booster (one) | 201.06 ft ² | 0.4632 in ² |

* Represents sum of Orbiter model areas to be used in computation of CA_{b0} .

TABLE I.

[illegible]

TABLE II.

[illegible]

* Strut position: 1 = fwd position; 2 = aft position

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT: Body B58GENERAL DESCRIPTION: Double Delta Wing Fuselage Per Lines VL70-000093, except
nose modified to conform to Vehicle 3 configuration forward of Station 300 (Station 339
on Lines VL70-000139)Model Scale = 0.004DRAWING NUMBER:VL72-000061 VL70-000139
VL70-000093DIMENSIONS:FULL-SCALEMODEL SCALE

Length, in.

1328.35.313Max. Width X_{560} to X_{1307} , in.216.00.864

Max. Depth, in.

239.00.956

Fineness Ratio

5.4955.495

Area

Max. Cross-Sectional

319.5560.005

Planform

Wetted

Base

TABLE III. - Continued.

MODEL COMPONENT: Canopy - C5

GENERAL DESCRIPTION: 2A Configuration Per MR Lines VL70-000002.

Scale Model = .004

DRAWING NUMBER: VL70-000002

| <u>DIMENSIONS:</u> | <u>FULL-SCALE</u> | <u>MODEL SCALE</u> |
|---------------------------|-------------------|--------------------|
| Sta. Fwd. Bulkhead | <u>391.00</u> | <u>1.564</u> |
| Sta. T. E. | <u>560.0</u> | <u>2.240</u> |
| Canopy Intersects Body ML | <u>391.00</u> | <u>1.564</u> |
| Fineness Ratio | <u> </u> | <u> </u> |
| Area | | |
| Max. Cross-Sectional | <u> </u> | <u> </u> |
| Planform | <u> </u> | <u> </u> |
| Wetted | <u> </u> | <u> </u> |
| Base | <u> </u> | <u> </u> |

TABLE III. - Continued.

MODEL COMMENT: Eleven E-18

GENERAL DESCRIPTION: 2A Configuration Per W-87, NR Lines VL70-000093

Data for (1) of (2) Sides

Model Scale = .004

DRAWING NUMBER:

VL70-000093

DIMENSIONS:

| | <u>FULL-SCALE</u> | <u>MODEL SCALE</u> |
|---|-------------------|--------------------|
| Area, FT ² | <u>205.517</u> | <u>0.0033</u> |
| Span (equivalent), in. | <u>353.34</u> | <u>1.413</u> |
| Inb'd equivalent chord | <u>114.78</u> | <u>0.459</u> |
| Outb'd equivalent chord | <u>55.00</u> | <u>0.220</u> |
| Ratio movable surface chord/ total surface chord | | |
| At Inb'd equiv. chord | <u>.208</u> | <u>.208</u> |
| At Outb'd equiv. chord | <u>.400</u> | <u>.400</u> |
| Sweep Back Angles, degrees | | |
| Leading Edge | <u>0.00</u> | <u>0.00</u> |
| Trailing Edge | <u>-10.02</u> | <u>-10.02</u> |
| Hingeline | <u>0.00</u> | <u>0.00</u> |
| Area Moment (Normal to hinge line), FT ³ | <u>1548.07</u> | <u>0.00010</u> |
| Product of area moment | | |

TABLE III. - Continued.

MODEL COMPONENT: F4 Body FlapGENERAL DESCRIPTION: 2A Configuration Per NR Lines VL70-000094 "A"Scale Model = .004DRAWING NUMBER:VL70-000094ADIMENSIONS:FULL-SCALEMODEL SCALE

Length, in.

84.700.3388

Max. Width, in.

265.001.060

Max. Depth

Fineness Ratio

Area

Max. Cross-Sectional

Planform, ft²142.637150.002282

Wetted

Base

TABLE III. - Continued.

MODEL COMPONENT: OMS PODS-M3GENERAL DESCRIPTION: 2A Light WT Configuration: per MC120074.Per NR Lines VL70-000094.Scale Model = .004DRAWING NUMBER: VL70-000094

| <u>DIMENSIONS:</u> | <u>FULL-SCALE</u> | <u>MODEL SCALE</u> |
|----------------------|-------------------|--------------------|
| Length, in. | <u>346.0</u> | <u>1.384</u> |
| Max. Width, in. | <u>108.0</u> | <u>0.432</u> |
| Max. Depth, in. | <u>72.8</u> | <u>0.291</u> |
| Fineness Ratio | <u> </u> | <u> </u> |
| Area | | |
| Max. Cross-Sectional | <u> </u> | <u> </u> |
| Planform | <u> </u> | <u> </u> |
| Wetted | <u> </u> | <u> </u> |
| Base | <u> </u> | <u> </u> |

g of OMS POD:

$$\begin{aligned} \text{WP} &= 463.9 \text{ inches FS; WP } 400.0 + 63.9 = 463.90 \text{ INFS} \\ &\quad 1.600 + .2556 = 1.8556 \text{ INMS} \end{aligned}$$

$$\text{BP} = 80.0 \text{ in. FS; } 0.320 \text{ INMS}$$

$$\begin{aligned} \text{From Fuselage Station } 1214.0 \text{ to } 1560 \text{ INFS} &= 346.0 \text{ INFS} \\ 4.856 \text{ to } 6.240 &= 1.384 \text{ INMS} \end{aligned}$$

Table. III. - Continued
MODEL DIMENSIONAL DATA

MODEL COMPONENT: SRB PROTUBERANCE: PS₁

GENERAL DESCRIPTION: Electrical tunnel fairing on top of each SRB.

MODEL SCALE: 0.0040

DRAWING NO.: NONE

DIMENSIONS (DATA FOR 1 of 2):

| | <u>FULL SCALE</u> | <u>MODEL SCALE</u> |
|-------------------------------------|-------------------|--------------------|
| Leading edge at X _B | <u>467.00</u> | <u>1.868</u> |
| Centerline of tunnel Y _B | <u>0</u> | <u>0.</u> |
| Trailing edge at X _B | <u>1820.0</u> | <u>7.280</u> |
| Height | <u>3.0</u> | <u>0.012</u> |
| Width | <u>6.0</u> | <u>0.024</u> |
| L.E., Degrees | <u>72.0</u> | <u>0.288</u> |

Table III. - Continued
MODEL DIMENSIONAL DATA

MODEL COMPONENT: SRB PROTUBERANCE - PS₂

GENERAL DESCRIPTION: SRB/ET attach ring.

MODEL SCALE: 0.0040

DRAWING NO.: VL77-000036A

DIMENSIONS (DATA FOR 1 of 2):

| | <u>FULL SCALE</u> | <u>MODEL SCALE</u> |
|-----------------|-------------------|--------------------|
| Centerline at X | <u>1515.00</u> | <u>6.060</u> |
| Width | <u>10.00</u> | <u>0.040</u> |
| Height | <u>10.00</u> | <u>0.040</u> |

Table III. - Continued
MODEL DIMENSIONAL DATA

MODEL COMPONENT: SRB PROTUBERANCE - PS₃

GENERAL DESCRIPTION: Separation rocket fairing on each SRB nozzle shroud located 30° inboard from top centerline.

MODEL SCALE: 0.0040

DRAWING NO.: VL77-000036A

| DIMENSIONS: (FOR 1 OF 2) | <u>FULL SCALE</u> | <u>MODEL SCALE</u> |
|---------------------------------|-------------------|--------------------|
| Leading edge at X _B | <u>1796.00</u> | <u>7.184</u> |
| Trailing edge at X _B | <u>1889.00</u> | <u>7.556</u> |

Radial location is 30° inboard from top centerline.

TABLE III. - Continued.

MODEL COMPONENT: Rudder PSGENERAL DESCRIPTION: 2A Configuration Per NR Lines VL70-000095.Scale Model - .004DRAWING NUMBER: VL70-000095

| <u>DIMENSIONS:</u> | <u>FULL-SCALE</u> | <u>MODEL SCALE</u> |
|---|-------------------|--------------------|
| Area, FT^2 | <u>98.67</u> | <u>0.0016</u> |
| Span (equivalent), in. | <u>201.0</u> | <u>0.804</u> |
| Inb'd equivalent chord | <u>91.585</u> | <u>0.366</u> |
| Outb'd equivalent chord | <u>50.833</u> | <u>0.203</u> |
| Ratio movable surface chord/ total surface chord | | |
| At Inb'd equiv. chord | <u>0.400</u> | <u>0.400</u> |
| At Outb'd equiv. chord | <u>0.400</u> | <u>0.400</u> |
| Sweep Back Angles, degrees | | |
| Leading Edge | <u>34.83314</u> | <u>34.83314</u> |
| Tailing Edge | <u>26.24915</u> | <u>26.24915</u> |
| Hingeline | <u>34.83314</u> | <u>34.83314</u> |
| Area Moment (Normal to hinge line), FT^3 | <u>526.125</u> | <u>0.00003</u> |
| Product of area and mean chord | | |

TABLE III. - Continued.

MODEL COMPONENT: Vertical Tail VS (Light Wt. Orbiter Config)
 GENERAL DESCRIPTION: Center Line Vertical Tail on the Double Delta
Configuration with Double Wedge Airfoil and Rounded Leading Edge, Total
Data Includes Void Area Listed Below Scale Model = .004

DRAWING NUMBER:

VL70-000095

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

| | | |
|----------------------------------|---------|--------|
| Area, FT^2 | 386.05 | 0.006 |
| * Void (included above), FT^2 | 13.17 | 0.0002 |
| Blanketed included above, FT^2 | 12.67 | 0.0002 |
| Span (equivalent), FT | 24.37 | 0.097 |
| Aspect Ratio | 1.590 | 1.590 |
| Rate of Taper | 0.507 | 0.507 |
| Taper Ratio | 0.426 | 0.426 |
| Dihedral Angle, degrees | -- | -- |
| Incidence Angle, degrees | -- | -- |
| Aerodynamic Twist, degrees | -- | -- |
| Toe-In Angle | 0.0 | 0.0 |
| Cant Angle | 0.0 | 0.0 |
| Sweep Back Angles, degrees | | |
| Leading Edge | 45.000 | 45.000 |
| Trailing Edge | 26.249 | 26.249 |
| 0.25 Element Line | 41.130 | 41.130 |
| Chords: | | |
| Root (Wing Sta. 0.0) | 257.99 | 1.032 |
| Tip, (equivalent) | 109.78 | 0.439 |
| MAC | 193.84 | 0.775 |
| Fus. Sta. of .25 MAC | 1473.64 | 5.895 |
| W.P. of .25 MAC | 647.51 | 2.589 |
| B.L. of .25 MAC | 0.0 | 0.0 |
| 1 Airfoil Section | | |
| Root | | |
| Tip | | |

EXPOSED DATA

| | | |
|----------------------|--|--|
| Area | | |
| Span, (equivalent) | | |
| Aspect Ratio | | |
| Taper Ratio | | |
| Chords | | |
| Root | | |
| Tip | | |
| MAC | | |
| Fus. Sta. of .25 MAC | | |
| W.P. of .25 MAC | | |
| B.L. of .25 MAC | | |

*Void area noted is the area
 located at lower aft portion
 of tail surface.

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

TABLE III.— Continued

MODEL COMPONENT: Wing W-87 New Light WeightGENERAL DESCRIPTION: Orbiter Configuration per lines VL70-000093

Scale Model = .004

DRAWING NUMBER:

VL70-000093

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

| | | |
|---|---------|---------|
| Area, FT ² (W.R.P.) | 2689.38 | 0.043 |
| Planform | -- | -- |
| Wetted | 77.12 | 0.308 |
| Span (equivalent), FT | 2.214 | 2.214 |
| Aspect Ratio | 1.176 | 1.176 |
| Rate of Taper | 0.209 | 0.209 |
| Taper Ratio | 3.360 | 3.860 |
| Dihedral Angle, degrees 75.334 element line | 3.000 | 3.000 |
| Incidence Angle, degrees 1.425 to 1.005 | -- | -- |
| Aerodynamic Twist, degrees | -- | -- |
| Toe-In Angle | -- | -- |
| Cant Angle | -- | -- |
| Sweep Back Angles, degrees | 44.873 | 44.873 |
| Leading Edge | -10.242 | -10.242 |
| Trailing Edge | 35.050 | 35.050 |
| 0.25 Element Line | | |
| Chords: | | |
| Root (Wing Sta. 0.0) | 690.19 | 2.761 |
| Tip, (equivalent) | 144.30 | 0.577 |
| MAC | 476.76 | 1.907 |
| Fus. Sta. of .25 MAC | 1136.12 | 4.544 |
| W.P. of .25 MAC | 289.44 | 1.153 |
| B.L. of .25 MAC | 181.03 | 0.724 |
| Airfoil Section | | |
| Root | | |
| Tip | | |

EXPOSED DATA

| | | |
|--|---------|--------|
| Area, FT ² | 1746.87 | 6.987 |
| Span, (equivalent), FT | 59.16 | 0.237 |
| Aspect Ratio | 2.004 | 2.004 |
| Taper Ratio | 0.256 | 0.256 |
| Chords | | |
| Root | 562.77 | 2.251 |
| Tip | 144.30 | 0.577 |
| MAC | 394.81 | 1.579 |
| Fus. Sta. of .25 MAC | 1185.17 | 4.741 |
| W.P. of .25 MAC | 291.56 | 1.166 |
| B.L. of .25 MAC | 250.54 | 1.002 |
| LEADING EDGE CUFF (data for (1) side) | | |
| Plan form area, FT ² (BP 108.0) | 120.333 | 0.0019 |
| L.E. Intersect Fus ML @ STA | 560.0 | 2.240 |
| L.E. Intersects Wing @ STA | 1035.0 | 4.140 |

TABLE III. - Continued.

MODEL COMPONENT: EXTERNAL TANK - T17

GENERAL DESCRIPTION: External Tank per N1 Control VL78-000011B

Model Scale = 0.004

DRAWING NUMBER: VL78-000011B

| <u>DIMENSIONS:</u> | <u>FULL-SCALE</u> | <u>MODEL SCALE</u> |
|-----------------------|-------------------|--------------------|
| Length, in. | <u>1865</u> | <u>7.460</u> |
| Max. Width (Dia), in. | <u>324.0</u> | <u>1.296</u> |
| Max. Depth | <u> </u> | <u> </u> |
| Fineness Ratio, L/D | <u>5.75617</u> | <u>5.75617</u> |
| Area, Ft ² | | |
| Max. Cross-Sectional | <u>572.56</u> | <u>0.009161</u> |
| Planform | <u> </u> | <u> </u> |
| Wetted | <u> </u> | <u> </u> |
| Base | <u> </u> | <u> </u> |

TABLE III. - Concluded

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR - S16GENERAL DESCRIPTION: Configuration 3A. Data for (1) of (2) slides, per RockwellLines VL77-000036AModel Scale = 0.004DRAWING NUMBER:VL72-000088AVL77-000036A

| <u>DIMENSIONS:</u> | <u>FULL-SCALE</u> | <u>MODEL SCALE</u> |
|--|-------------------|--------------------|
| Length (Includes Nozzle), in. | <u>1741.0</u> | <u>6.9640</u> |
| Max. Width (Tank Dia), in. | <u>142.3</u> | <u>0.5692</u> |
| Max. Depth (Aft Shroud), in. | <u>192.0</u> | <u>0.7680</u> |
| Fineness Ratio, L/D | <u>9.06771</u> | <u>9.06771</u> |
| Area, Ft ² | | |
| Max. Cross-Sectional | <u>201.06193</u> | <u>0.00322</u> |
| Planform | <u> </u> | <u> </u> |
| Wetted | <u> </u> | <u> </u> |
| Base | <u> </u> | <u> </u> |
| WP of BSRM Centerline (Z _T), in. | <u>400</u> | <u>1.6000</u> |
| FS of BSRM Nose (X _T), in. | <u>200</u> | <u>0.8000</u> |

TABLE IV.

X Coordinates of Strut Leading and Trailing Edge Intersections
with Body Profiles (Full Scale Dimensions).

| Strut | Position | Leading Edge | Trailing Edge |
|----------|----------|-----------------|------------------|
| M1 | Forward | $X_t = 711$ | $X_t = 1735$ |
| | Aft | $X_t = 1028$ | $X_t = 2052$ |
| M2 & M2' | Forward | $X_s = 388$ | $X_s = 1412$ |
| | Aft | $X_s = 772$ | $X_s = 1796$ |
| M3 | Forward | $X_t = 711$ | $X_t = 1554.8$ |
| | Aft | $X_t = 1208.2$ | $X_t = 2052$ |
| M4 | Forward | $X_o = 550$ | $X_o = 1225$ |
| | Aft | $X_o = 599$ | $X_o = 1274$ |

TABLE V.

Nominal Wing Pressure Orifice Locations (Full Scale Dimensions)

| Measurement Number | | Body Coordinates* | | Location, Percent | |
|--------------------|-------|-------------------|-----------------|-------------------|----------|
| Upper | Lower | X _o | -Y _o | Chord | Semispan |
| 23 | 31 | 1112.0 | 234.0 | 10.2 | 49.96 |
| 24 | 32 | 1194.5 | 234.0 | 30.1 | 49.96 |
| 25 | 33 | 1276.8 | 234.0 | 50.0 | 49.96 |
| 26 | 34 | 1359.5 | 234.0 | 70.0 | 49.96 |
| 27 | - | 1442.0 | 234.0 | 89.9 | 49.96 |
| 28 | 35 | 1250.0 | 169.0 | 50.0 | 36.1 |
| 25** | 33** | 1276.8 | 234.0 | 50.0 | 49.96 |
| 29 | 36 | 1303.6 | 299.0 | 50.0 | 63.8 |
| 30 | 37 | 1330.3 | 364.0 | 50.0 | 77.7 |

*Refer to Drawing VL70-000093.

**Repeated for spanwise sample.

TABLE VI.

Nominal Locations, Orbiter Base Pressure Orifices

| Measurement Number | Orifice Location | | | |
|--------------------|------------------|----------------|----------------|----------------|
| | Full Scale | | Model Scale | |
| | Y _o | Z _o | Y _o | Z _o |
| 1 | 0 | 493 | 0 | 1.972 |
| 2 | -106 | 492 | -.424 | 1.968 |
| 3 | -92.5 | 400 | -.370 | 1.600 |
| 4 | 0 | 304.8 | 0 | 1.219 |

TABLE VII.

Nominal Locations of External Tank Pressure Orifices (Full Scale Dimensions)

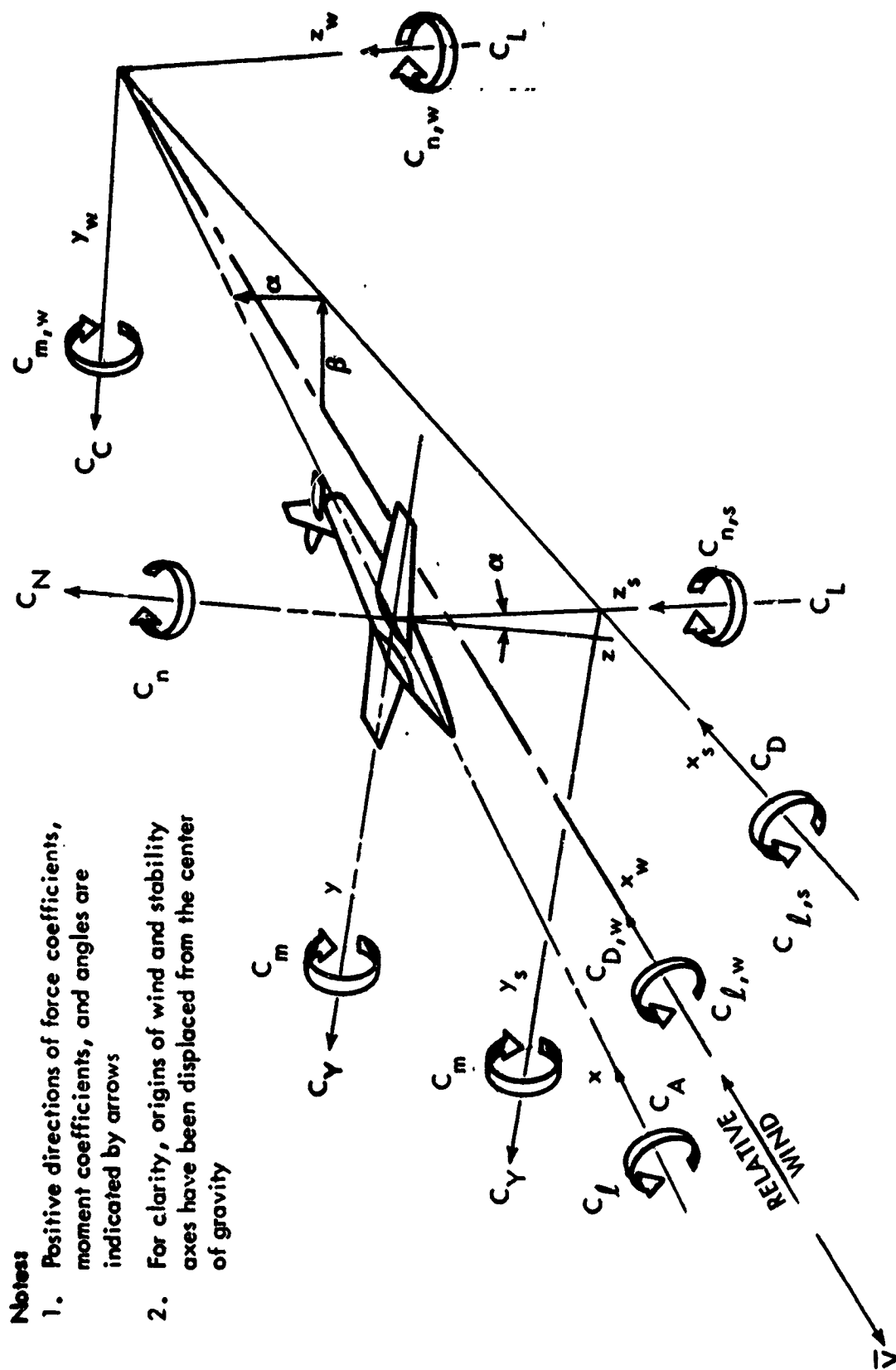
| Measurement Number | Angular* Displacement (degrees) | Radial Distance (inches) |
|--------------------|---------------------------------|--------------------------|
| 5 | 0 | 162.0 |
| 6 | 0 | 81.0 |
| 7 | 0 | 0 |
| 8 | 180 | 81.0 |
| 9 | 180 | 162.0 |
| 10 | 135 | 162.0 |
| 11 | 135 | 81.0 |
| 12 | 90 | 81.0 |
| 13 | 45 | 81.0 |
| 14 | 45 | 162.0 |
| 15 | 90 | 162.0 |

TABLE VIII.

Nominal Locations of Solid Rocket Pressure Orifices (Full Scale Dimensions)

| Measurement Number | Angular* Displacement (degrees) | Radial Distance (inches) |
|--------------------|---------------------------------|--------------------------|
| 16 | 0 | 0 |
| 17 | 90 | 83.5 |
| 18 | 270 | 83.5 |
| 19 | 0 | 35.5 |
| 20 | 180 | 35.5 |
| 21 | 90 | 35.5 |
| 22 | 270 | 35.5 |

*Angular displacements measured counterclockwise from top of the body as viewed from rear.

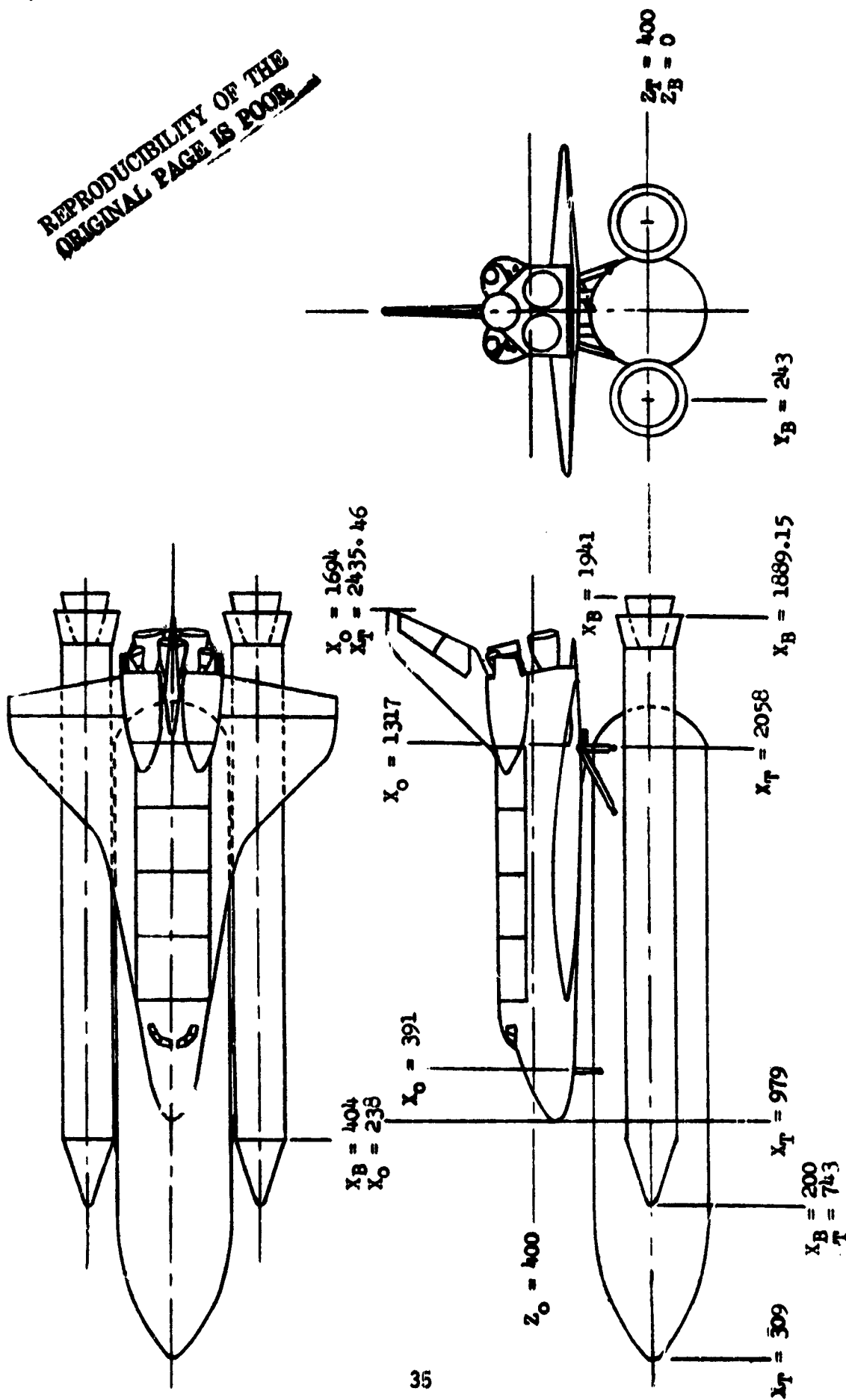


Notes

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

Figure 1. - Axis systems.

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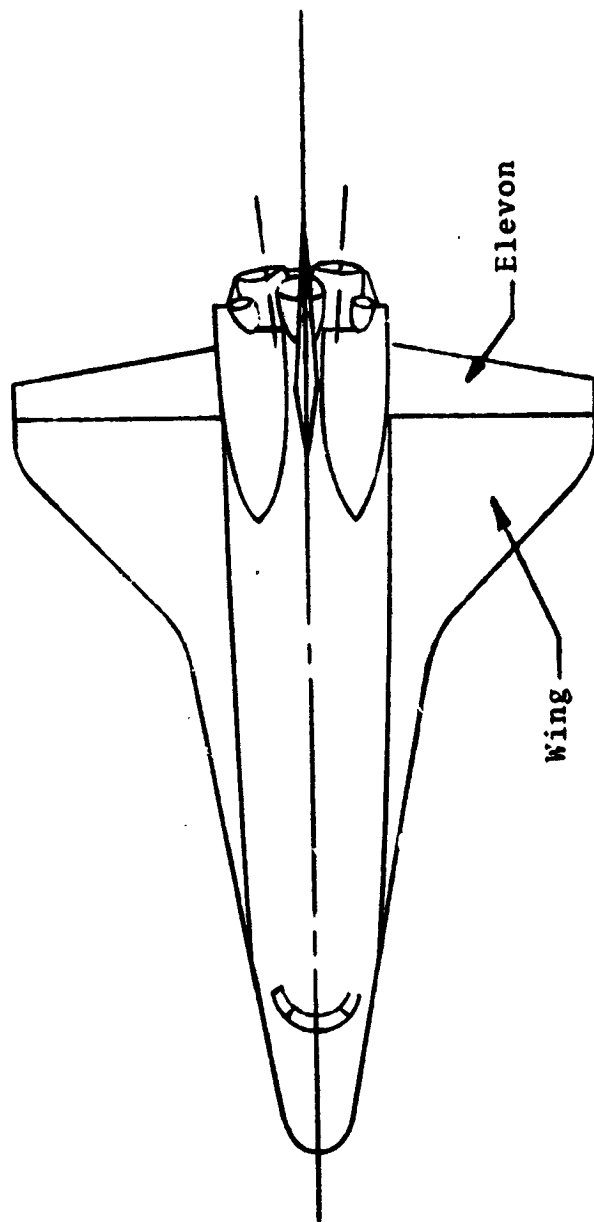


a. Mated Vehicle

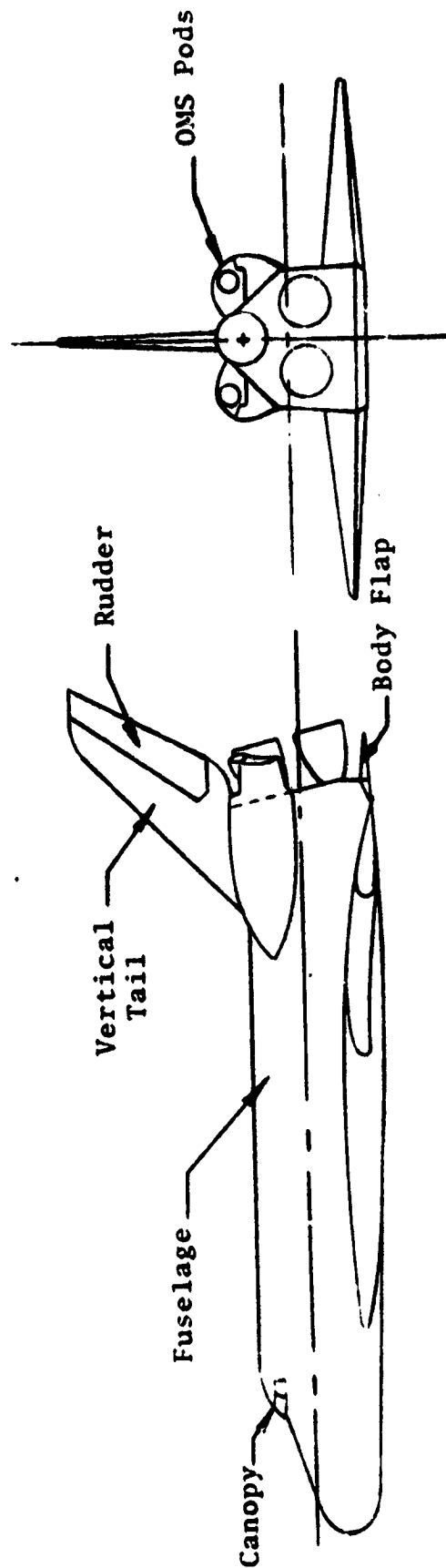
Figure 2. - Model sketches.

Reference Dimension

Area $S_w = 2690 \text{ ft}^2$
 Length $L = 1328.3 \text{ in-}$



36

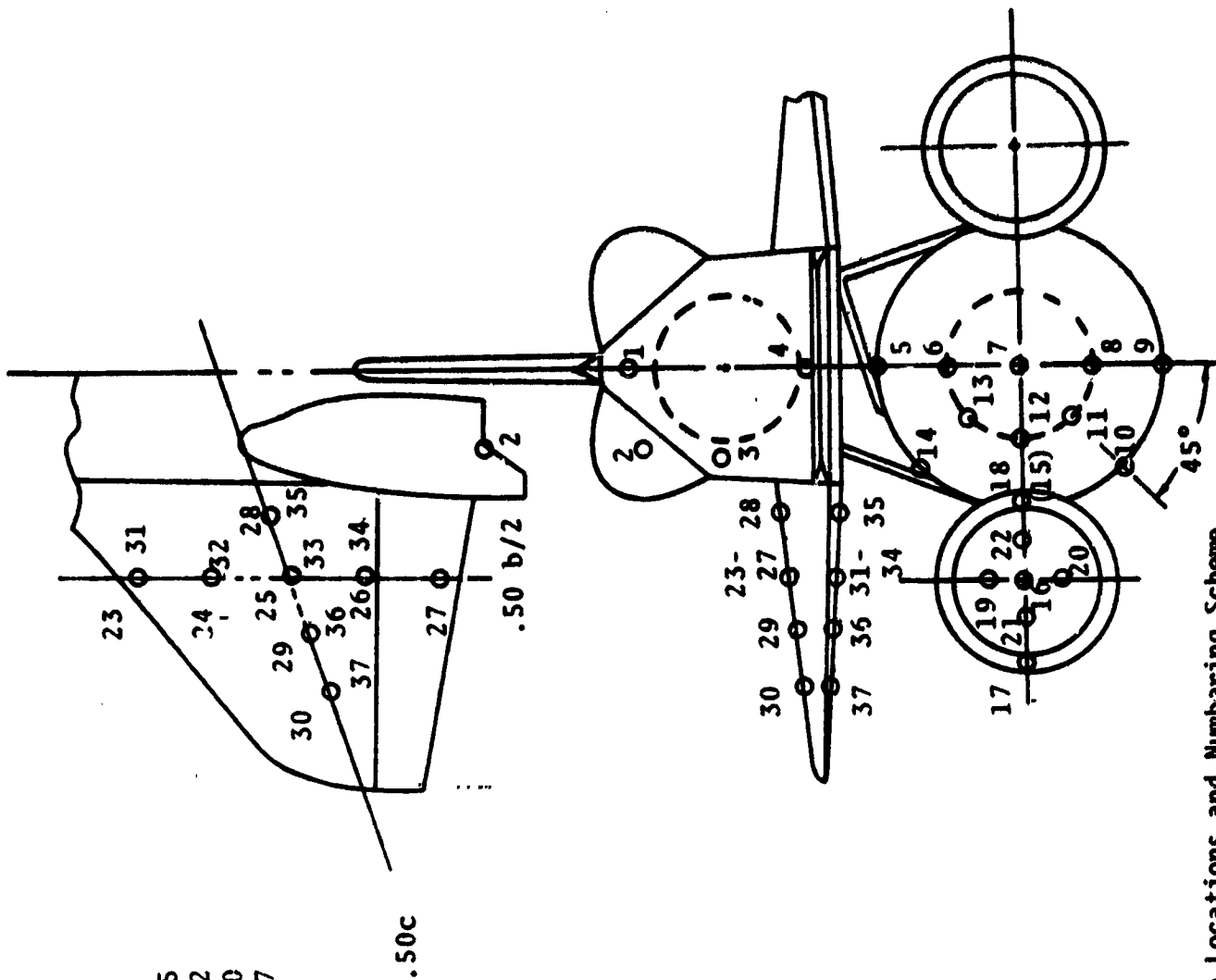
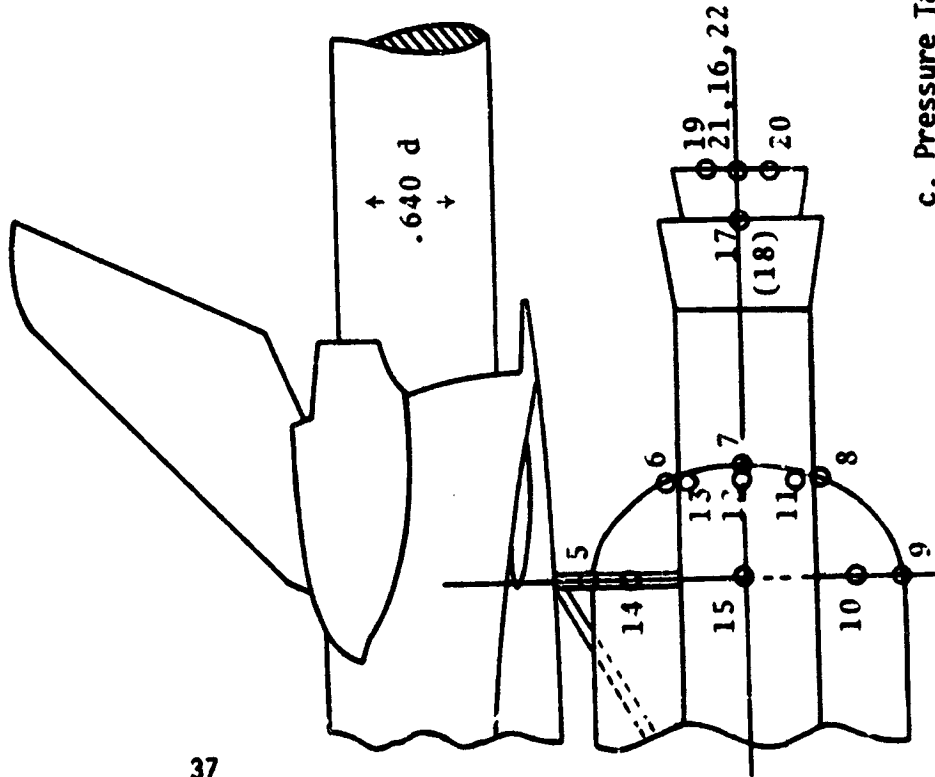


b. Orbiter Three View

Figure 2. - Continued.

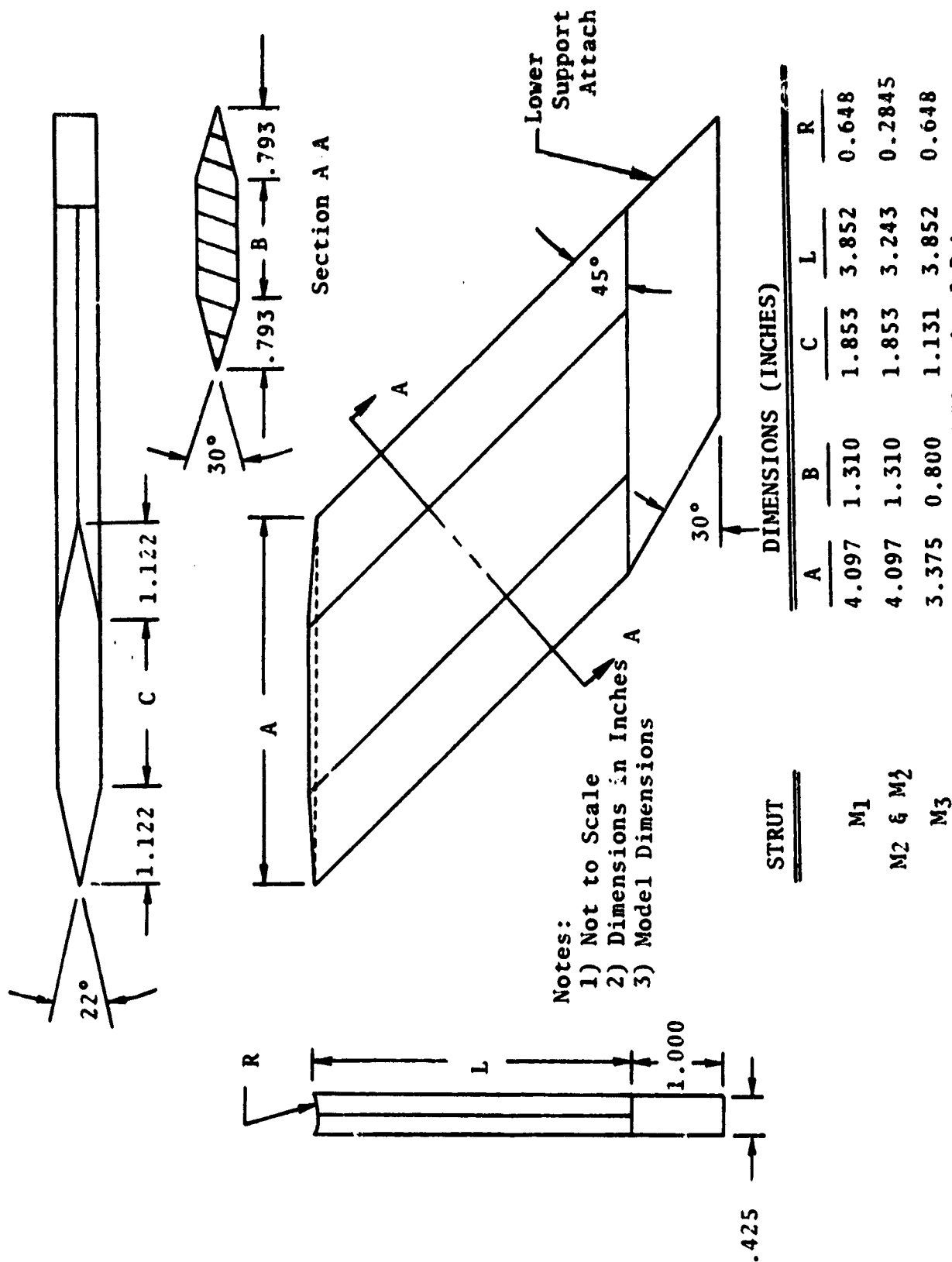
Pressure Tap Numbering

- Orbiter Base 1-4
- External Tank Base 5-15
- Solid Rocket Booster Base 16-22
- Orbiter Wing Upper 23-30
- Orbiter Wing Lower 31-37



c. Pressure Tap Locations and Numbering Scheme

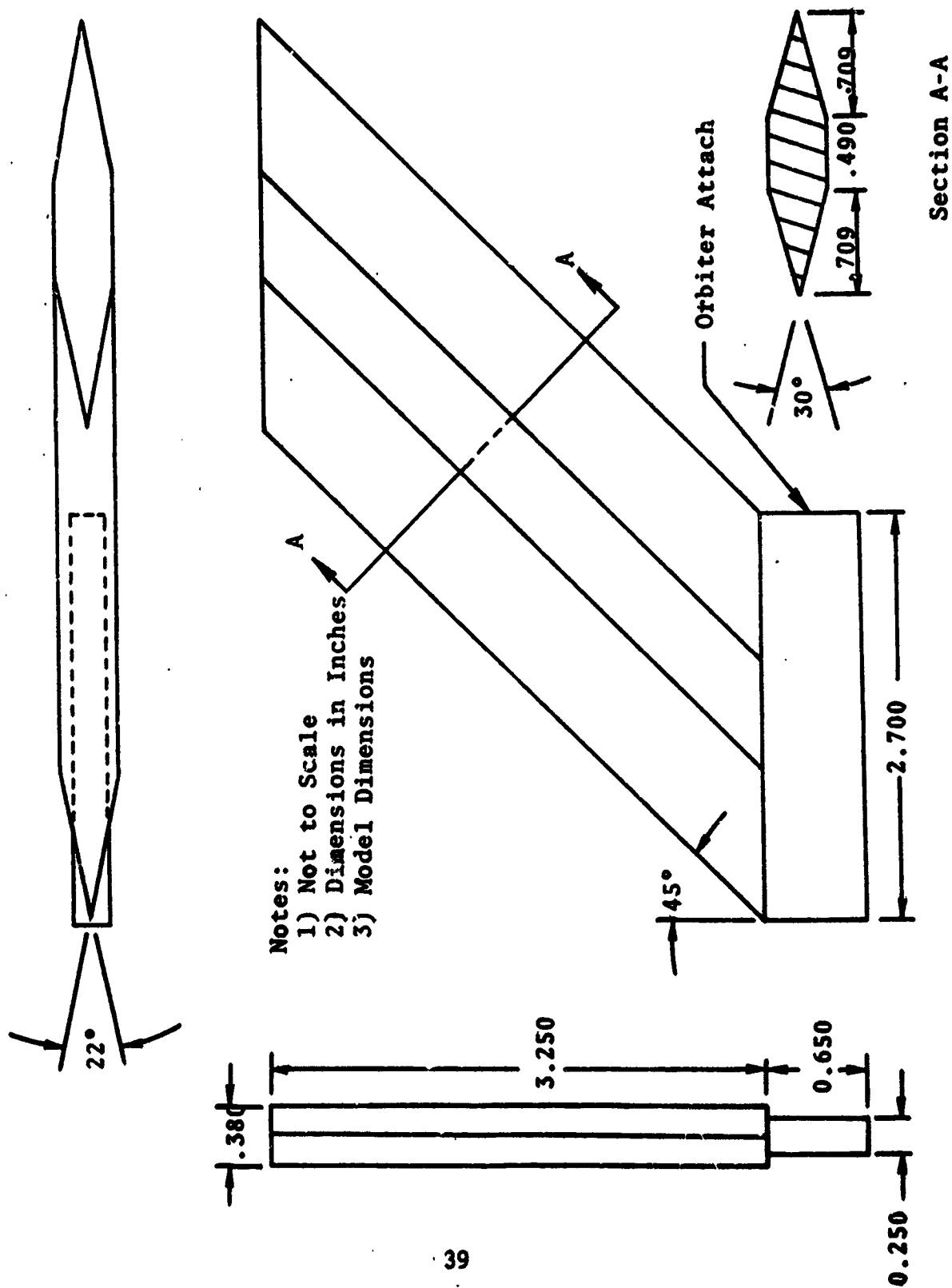
Figure 2. - Continued.



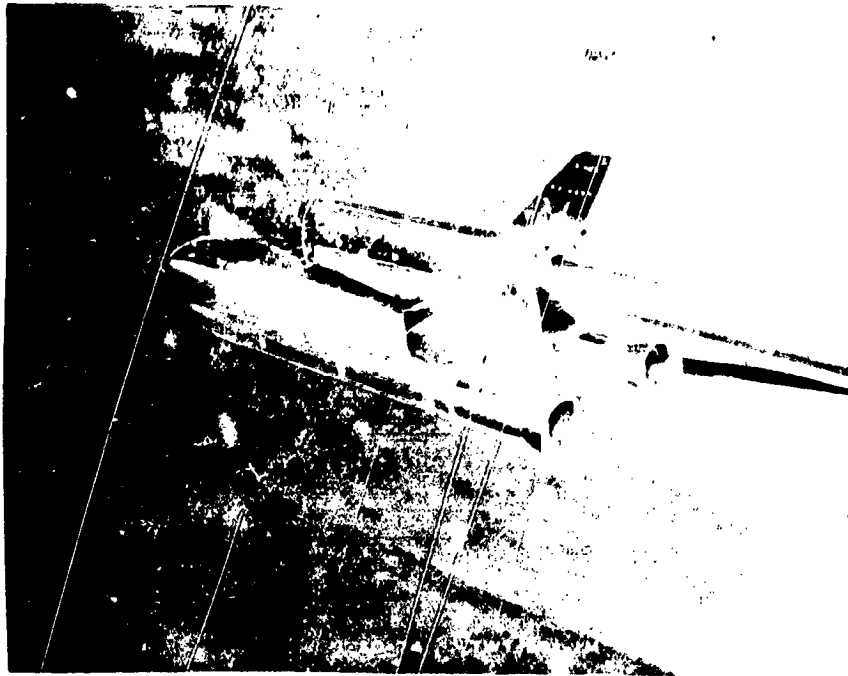
d. Struts M₁, M₂, M₂, and M₃ Configurations and Dimensional Data

Figure 2. - Continued.

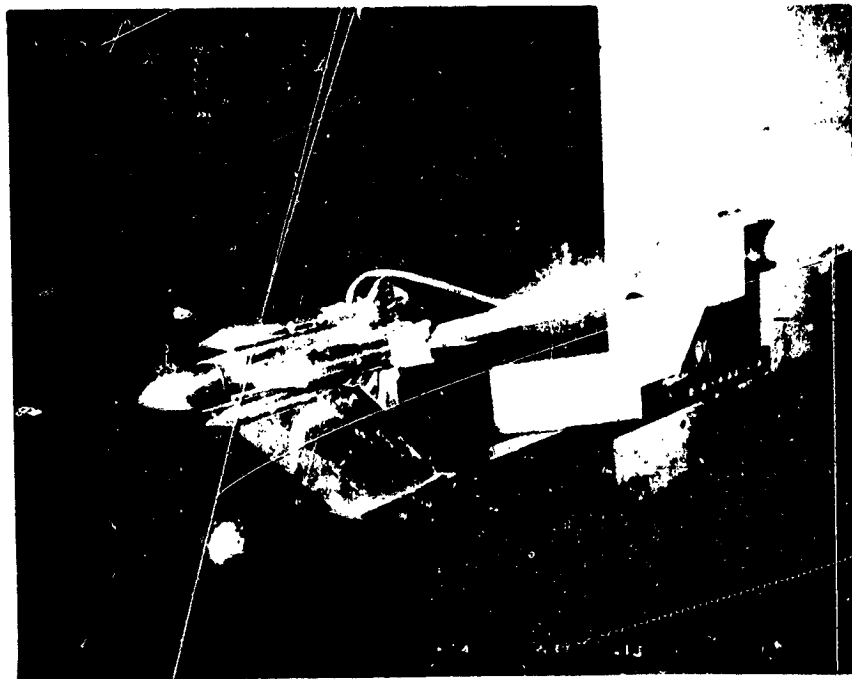
REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR



e. Strut M4 Configuration and Dimensional Data
Figure 2. - Concluded.

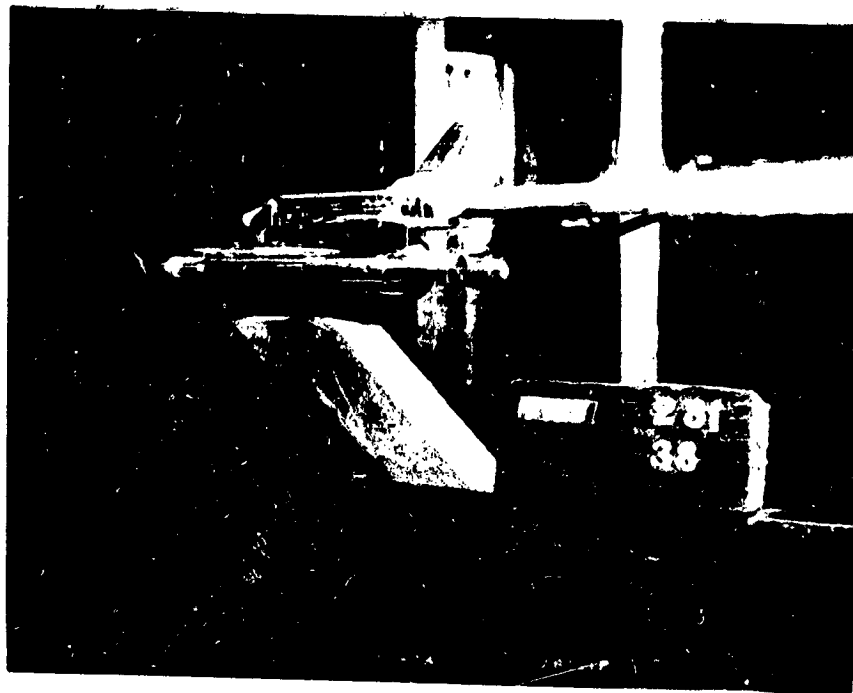


a. Baseline Configuration $C_1 F'$

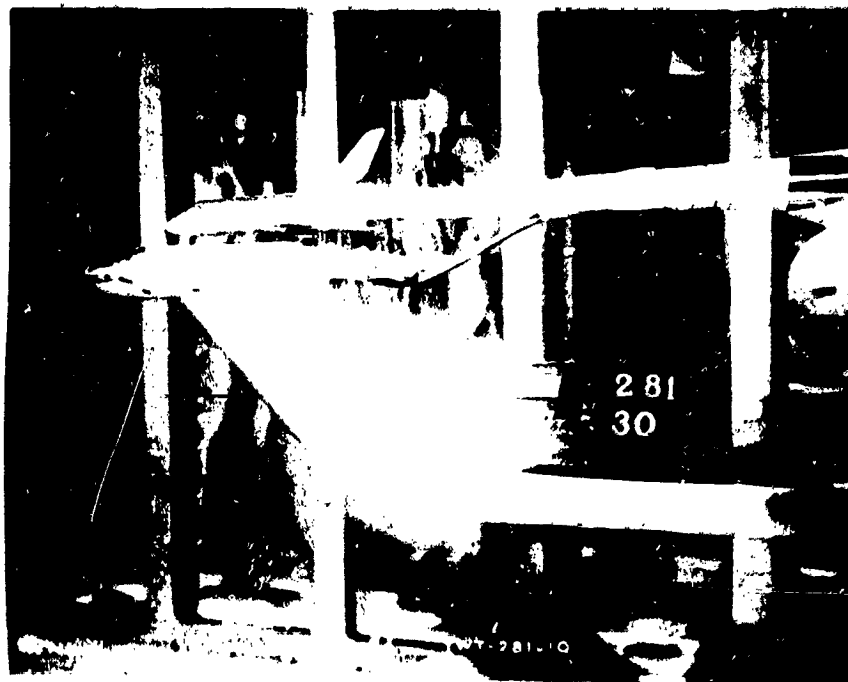


b. Solid Rocket Booster Mounted Strut - Right Side $C_1 F' M_2 (1)$

Figure 3. - Model photographs.



c. External Tank Mounted Strut - Fwd Position $C_1 F' M_1$ (1)



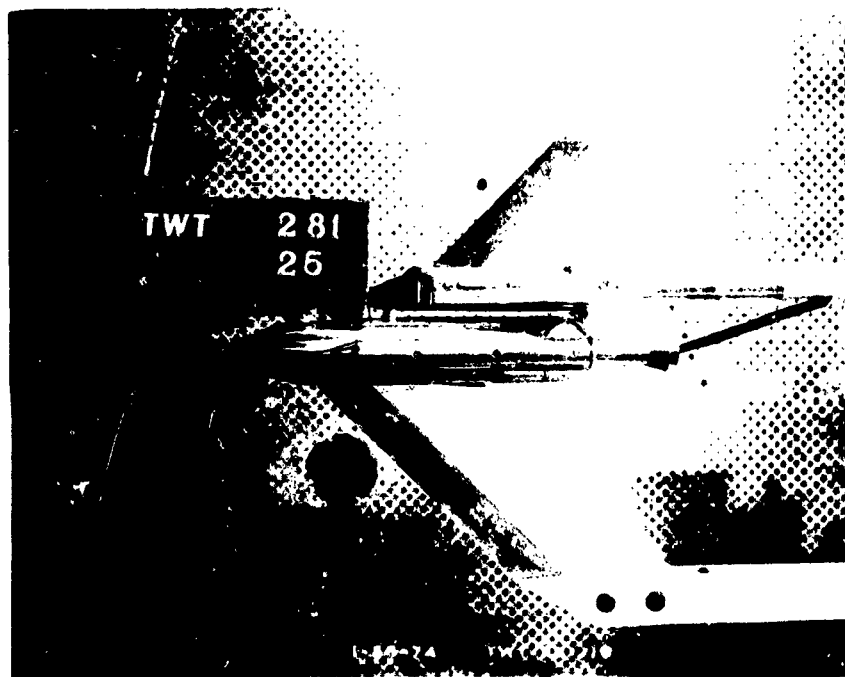
d. External Tank Mounted Strut - Aft Position $C_1 F' M_1$ (2)

Figure 3. - Continued

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR



e. Solid Rocket Booster Mounted Strut - Left Side $C_1 F' M_2' (1)$ + wax fillet



f. External Tank and Orbiter Mounted Struts $C_1 F' M_3 (1) M_4 (1)$

Figure 3. - Concluded.

DATA FIGURES - FORCE

(AF4001)

1A68 C1 F1

| | | | |
|--------|------|-------------------|-----------|
| SYMBOL | DATA | PARAMETRIC VALUES | |
| □ | CABO | .000 | BETA .000 |
| □ | CABT | | |
| ◇ | CABS | | |

REFERENCE INFORMATION

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|-------|-----------|---------|
| SREF | 2650.0000 | SO, FT. |
| LREF | 1328.3000 | IN. |
| BREF | 1328.3000 | |
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| YMRP | .0000 | |
| ZMRP | .0000 | |
| SCALE | .0040 | |

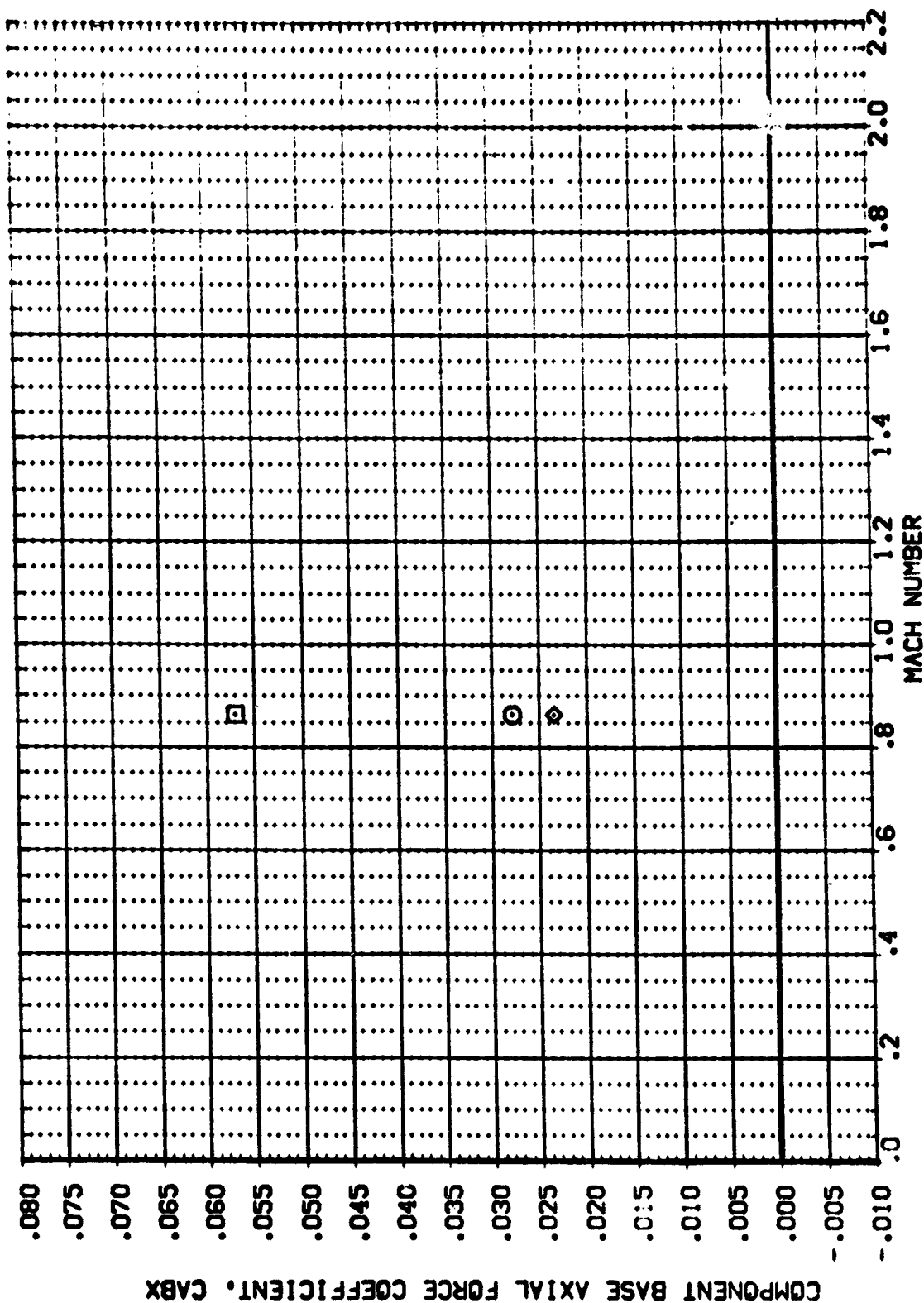


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4002)

IA68 C1 F1

SYMBOL DATA
CABO
CABT
CABS

PARAMETRIC VALUES
ALPHA -4.000 BETA .000

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SCALE .0040

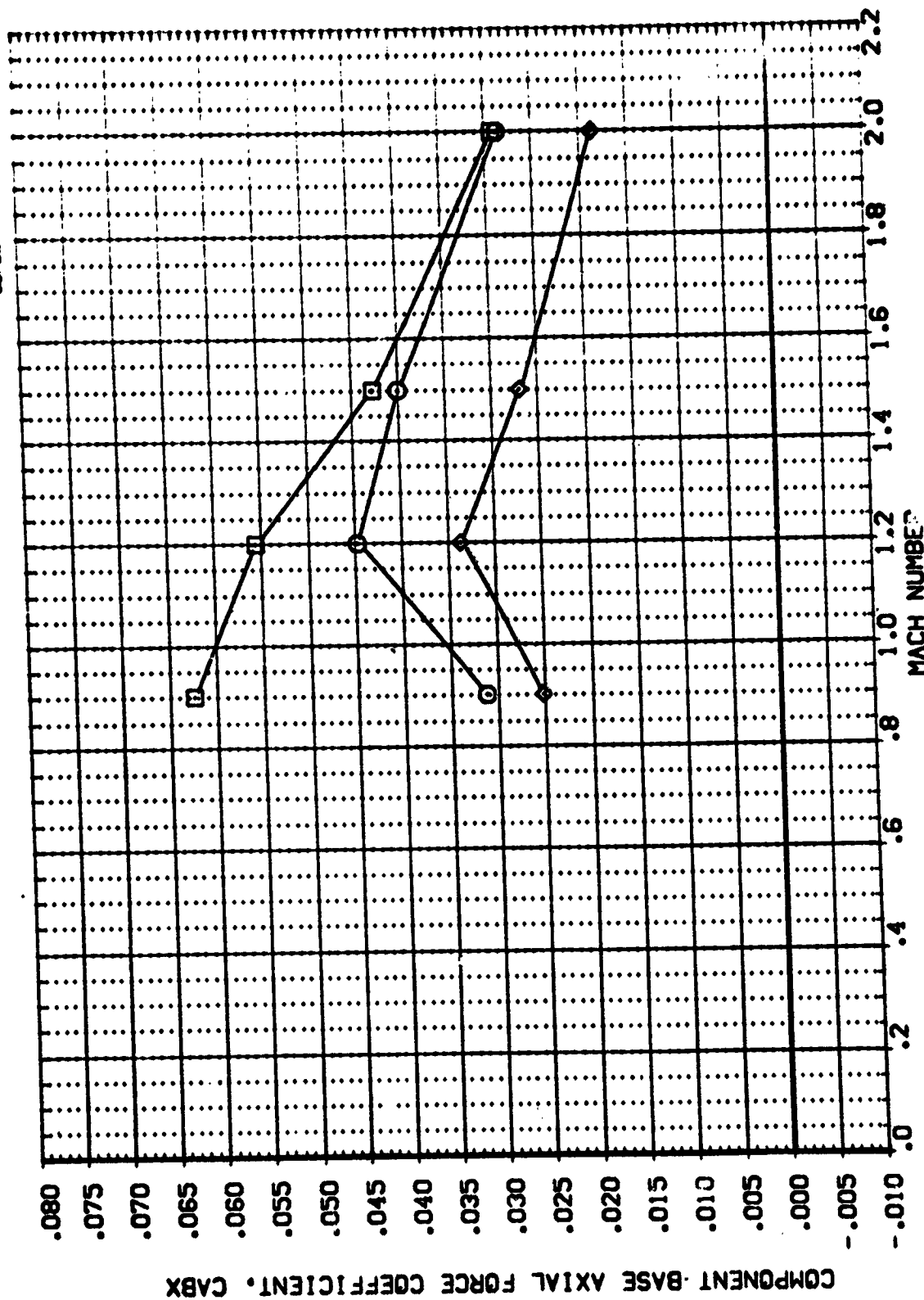


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

IA68 C1 F1

(AF4002)

SYMBOL DATA ALPHA -2.000 BETA .000

REFERENCE INFORMATION

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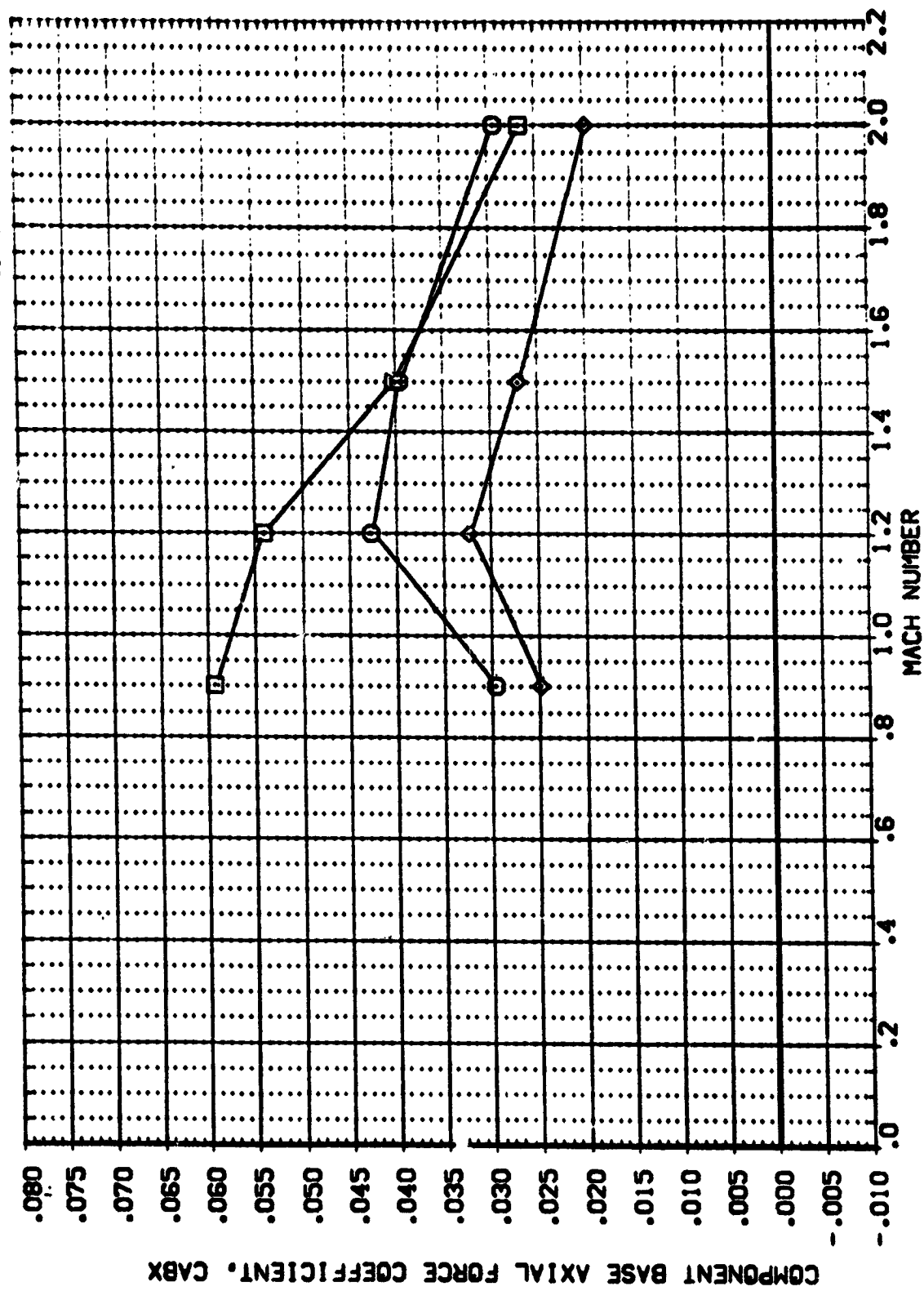


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

IA68 C1 F1

(AF4002)

| | | | |
|--------|------|----------------------|-----------------------|
| SYMBOL | DATA | PARAMETRIC VALUES | REFERENCE INFORMATION |
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| □ | CABT | | LREF 1328.3000 IN. |
| ◇ | CABS | | BREF 1328.3000 IN. |
| | | | XPRP .0000 |
| | | | YPRP .0000 |
| | | | ZPRP .0000 |
| | | | SCALE .0040 |

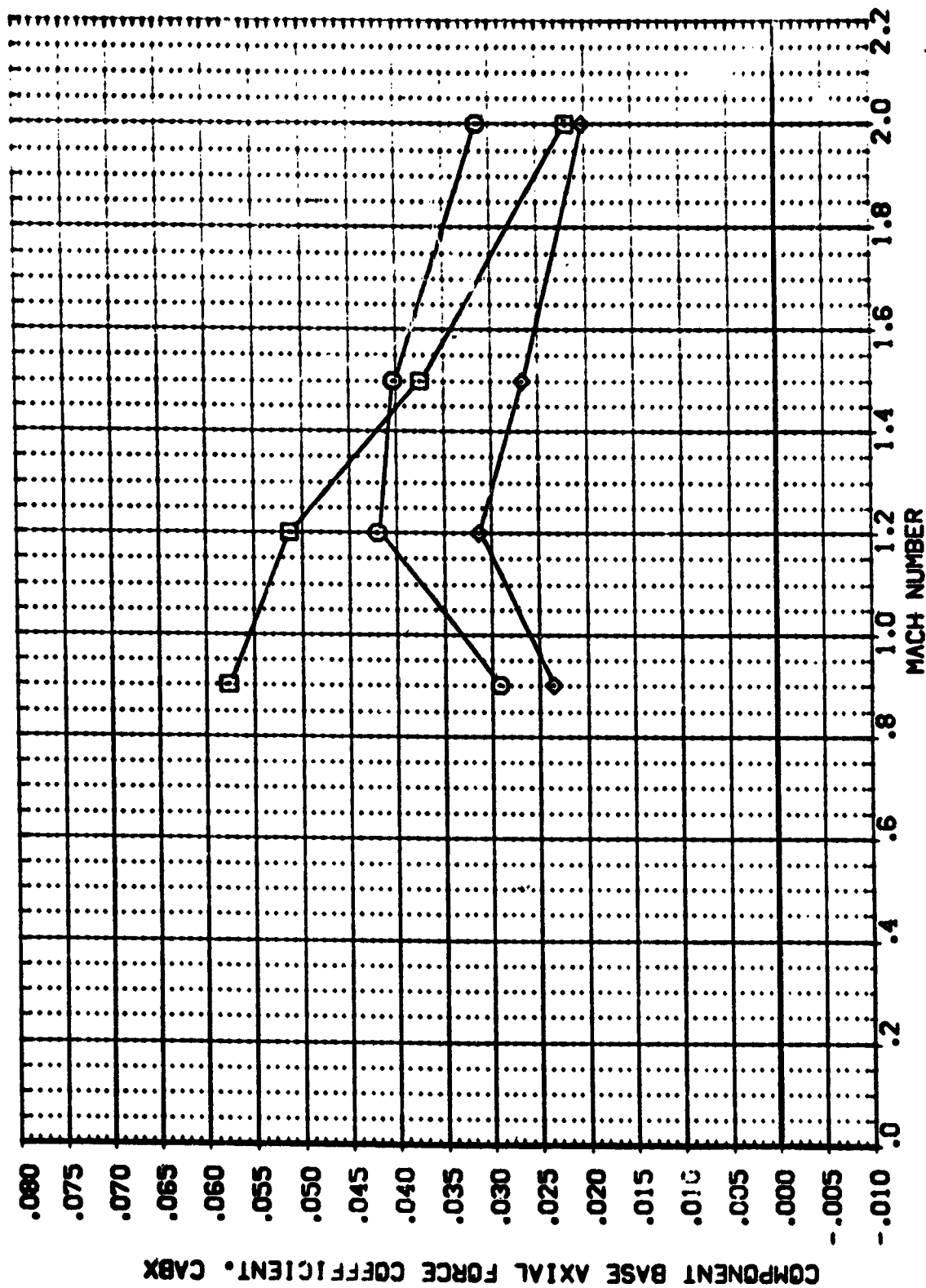


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4002)

IA68 C1 F1

SYMBOL DATA ALPHA 2.000 BETA .000
 CABO
 CABT
 CAB5

REFERENCE INFORMATION
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 BREF 1328.3000
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 YMRP .0000
 ZMRP .0000
 SCALE .0043

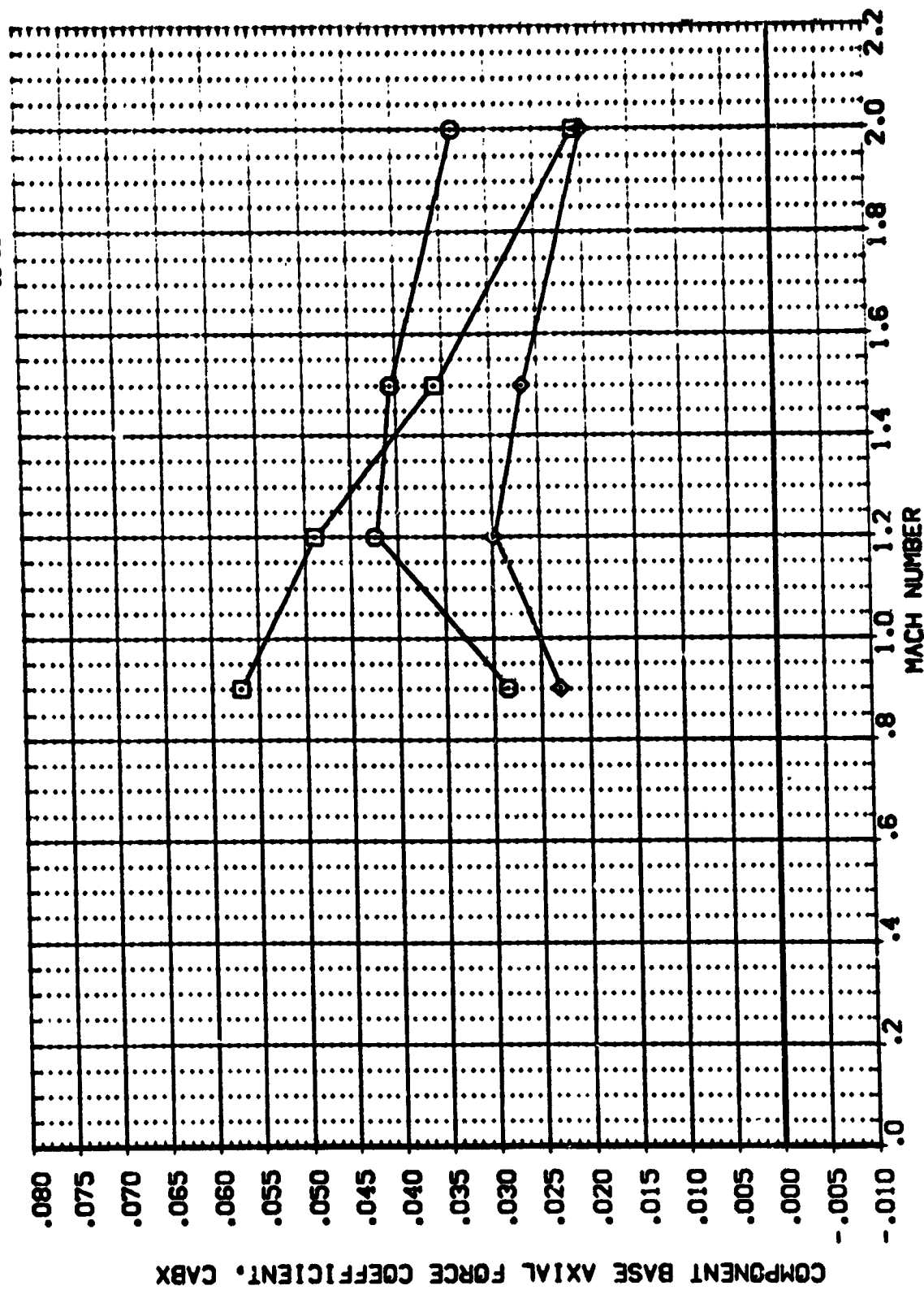


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4002)

IA68 C1 F1

SYMBOL DATA
 CABS
 CABT
 CABS

PARAMETRIC VALUES
 ALPHA 4.000 BETA .000

REFERENCE INFORMATION
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 BREF 1.278-3000
 XREF 1.278-3000
 YREF 1.278-3000
 ZREF 1.278-3000
 SCALE .0043

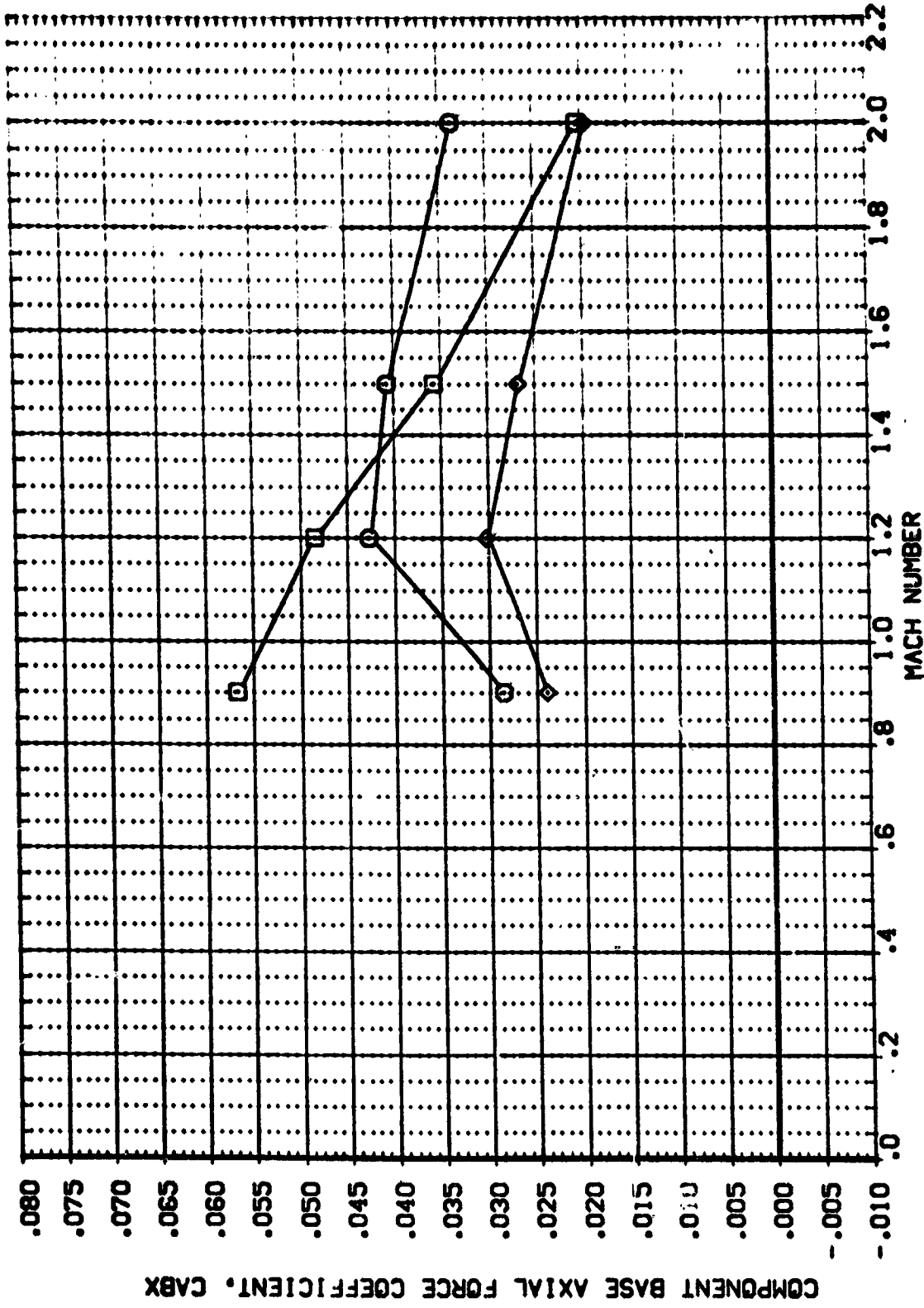


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4003)

IA68 C1 F1

SYMBOL DATA BETA PARAMETRIC VALUES ALPHA .000

CABO
CABT
CABS

REFERENCE INFORMATION
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BREF 1378.0000
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YPROP 1378.0000
ZPROP 1378.0000
SCALE .0001

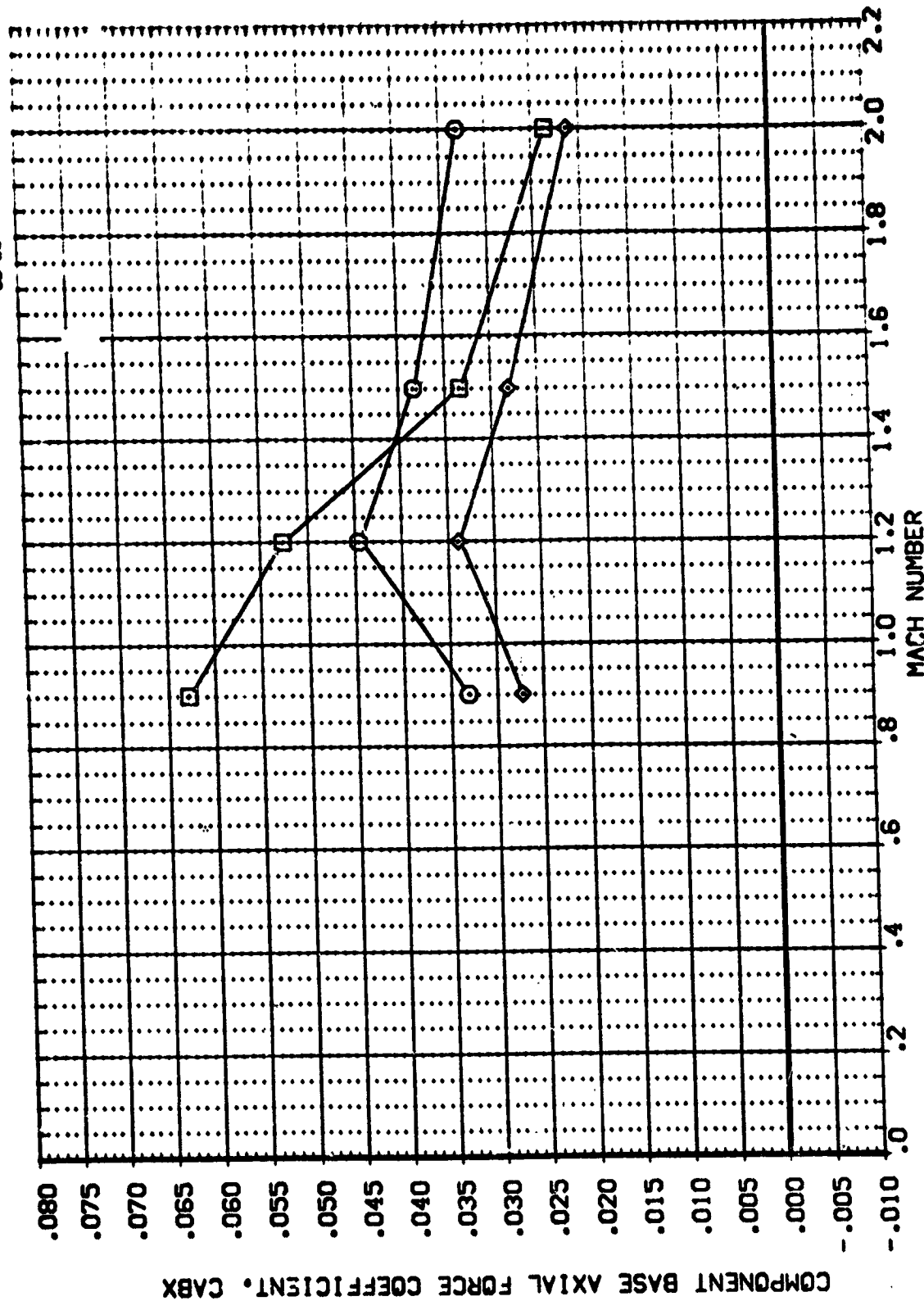


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4003)

IA68 C1 F1

SYMBOL DATA BETA -2.000 ALPHA .000
 C80
 C81
 C82

REFERENCE INFORMATION
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 Y-REF 378.3000
 Z-REF 378.3000
 SCALE .0040

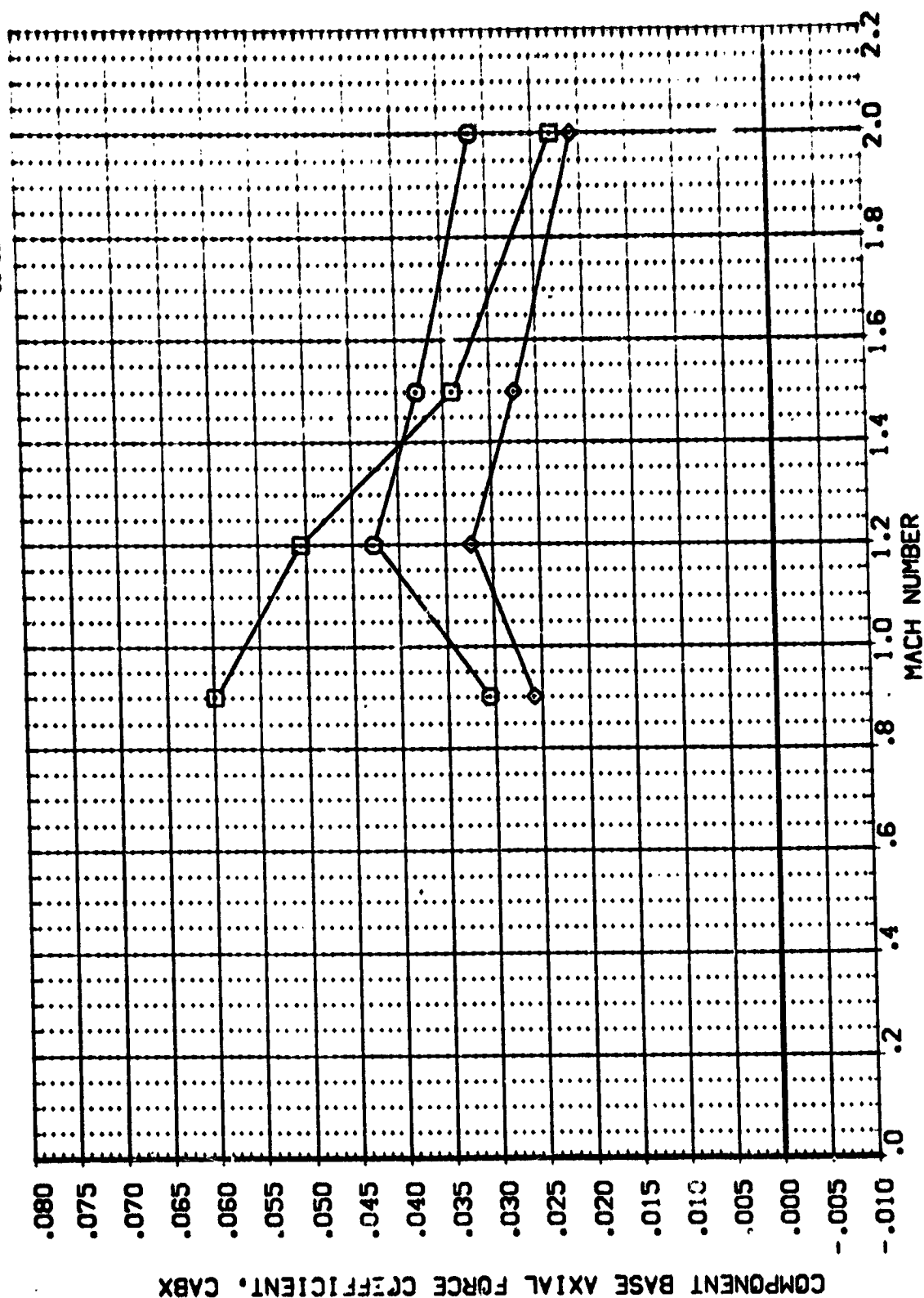


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

[AF4003]

| REFERENCE INFORMATION | |
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| BREF | 1328 3000 |
| XX-90 | 0000 |
| YPRP | 0000 |
| ZPRP | 0000 |
| SCALE | 0040 |

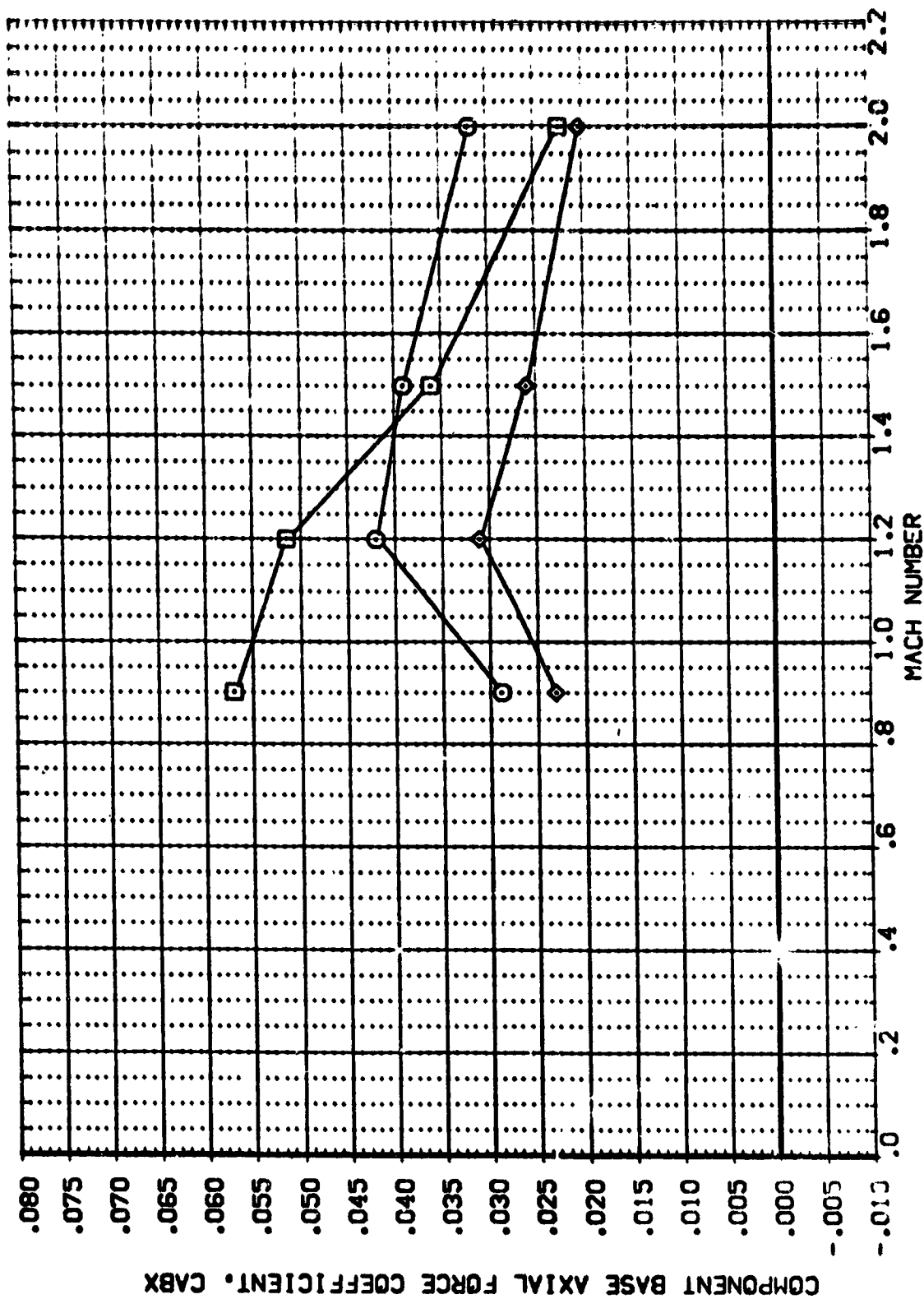


FIG. 4. BASELINE CONFIGURATION, BASE AXIAL FORCE COEFFICIENTS

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(AF4003)

1A68 C1 F1

SYMBOL DATA
CABO
CABT
CASS

PARAMETRIC VALUES
BETA 2.000 ALPHA .000

REFERENCE INFORMATION
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LREF 1328.3000 IN.
BREF 1328.3000 IN.
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YREF .0000
ZREF .0000
SCALE .0040

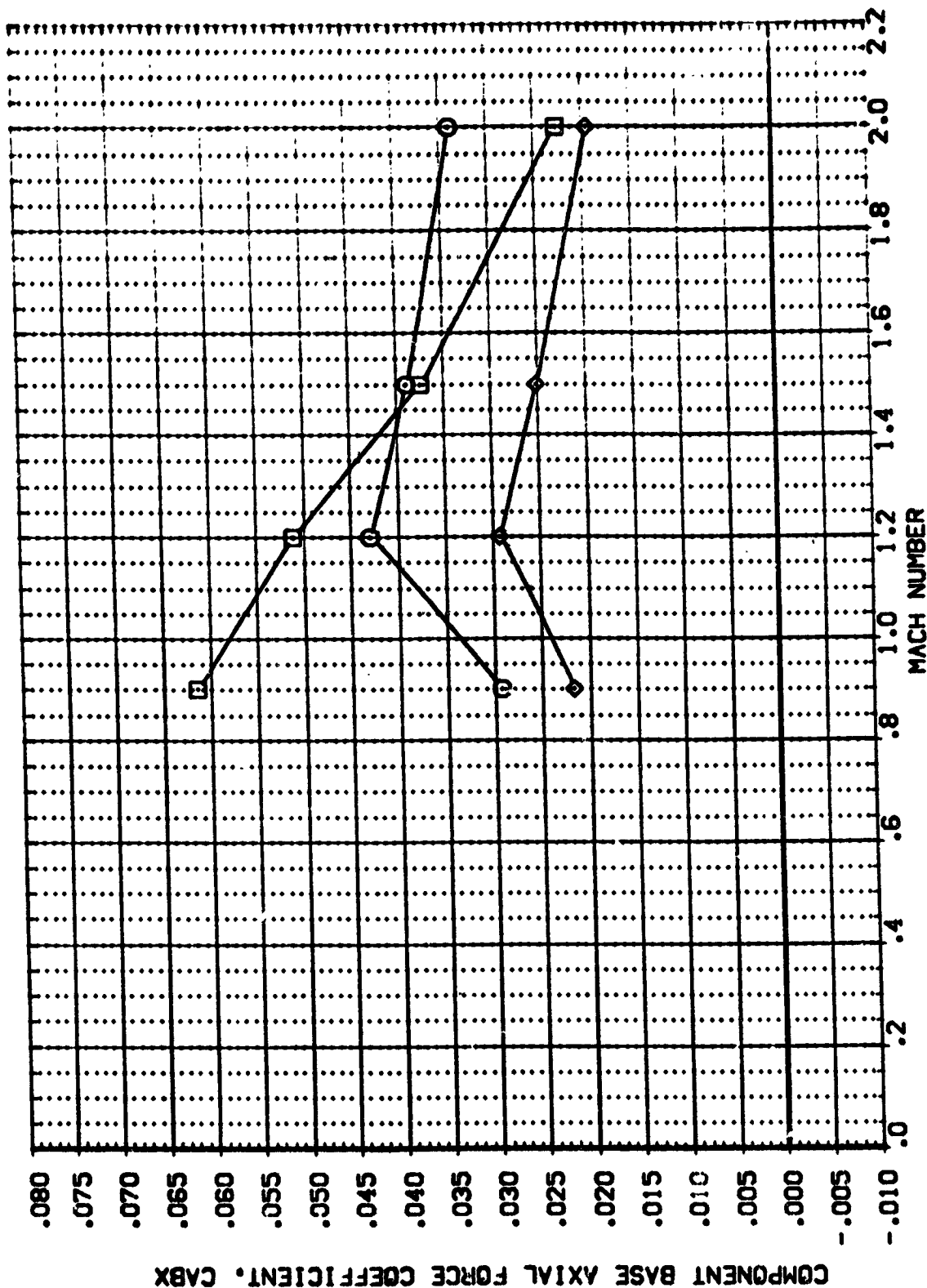


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4003)

IA68 C1 F1

SYMBOL DATA CABS CABT CABS
 REFERENCE INFORMATION
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 YREF 1328.0000
 ZREF 1328.0000
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 SQ.FT.
 IN.

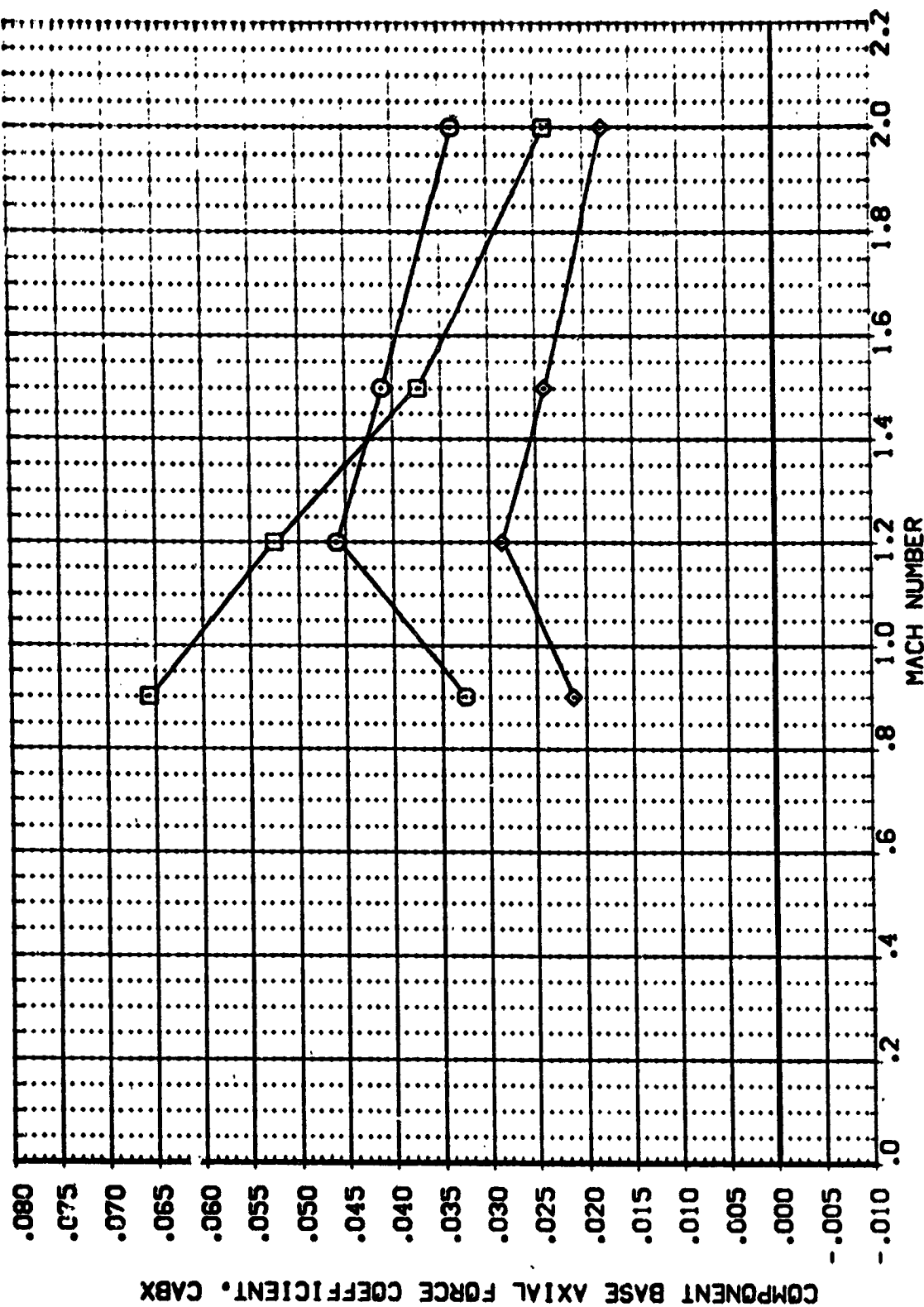


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4004)

IA68 C1 F1 M1

DATA CABS CABT CABX
PARAMETRIC VALUES ALPHA -4.000 BETA .000

REFERENCE INFORMATION
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LREF 1.328.3000 IN.
BREF 1.328.3000 IN.
XMRP .0000
YMRP .0000
ZMRP .0000
SCALE .0010

SYMBOL
○
□
◇

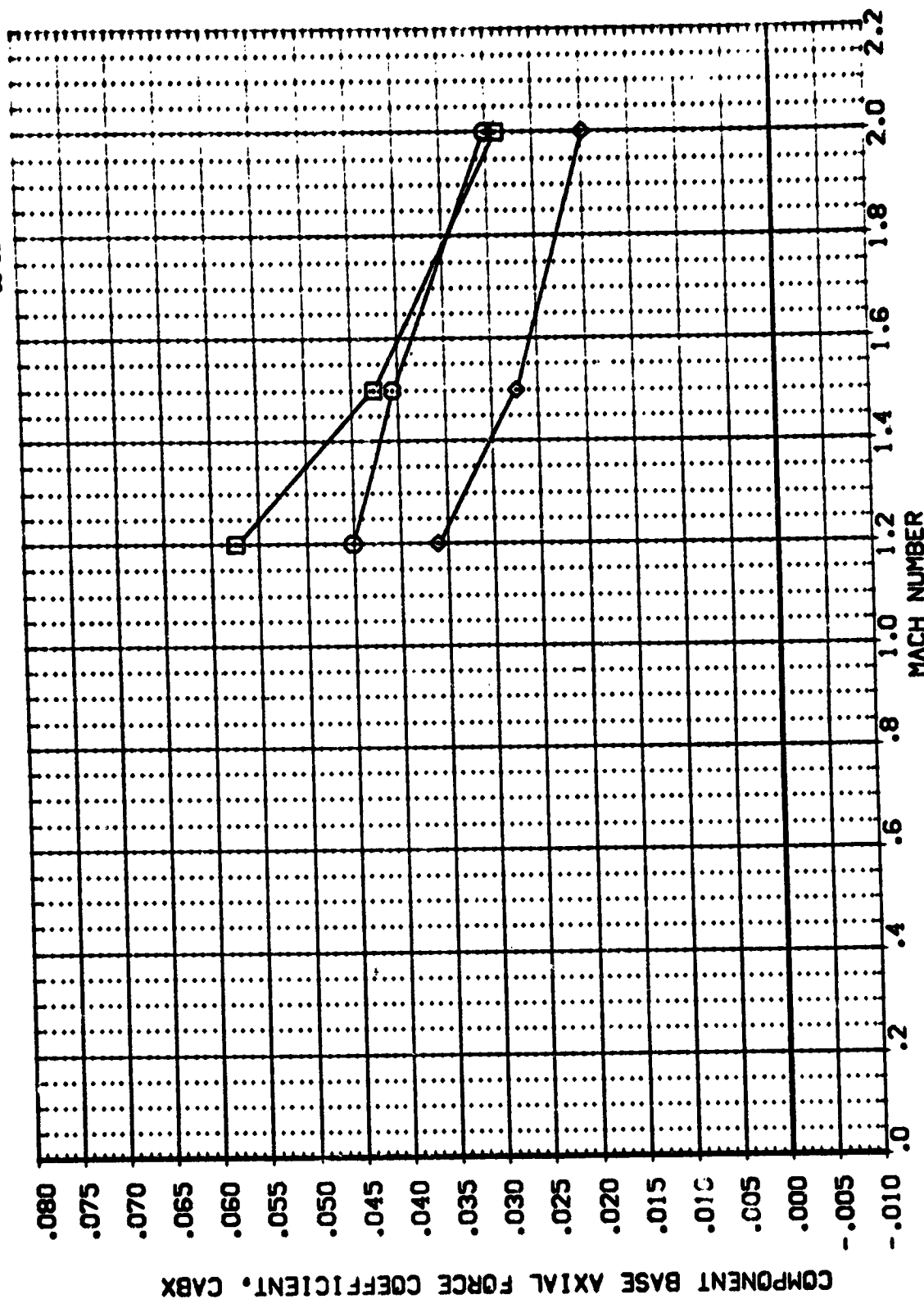


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



IA68 C1 F1 M1

(AF4004)

| | | | | | |
|--------|------|--------|-------------------|------|-------|
| SYMBOL | DATA | ALPHA | PARAMETRIC VALUES | BETA | SCALE |
| □ | CAB0 | -2.000 | | .000 | |
| □ | CABT | | | | |
| ◇ | CAB5 | | | | |

| | |
|-----------------------|-----------|
| REFERENCE INFORMATION | |
| SREF | 2690.0000 |
| LREF | 1328.0000 |
| BREF | 1328.0000 |
| XTRP | .0000 |
| YTRP | .0000 |
| ZTRP | .0000 |
| SCALE | .0040 |

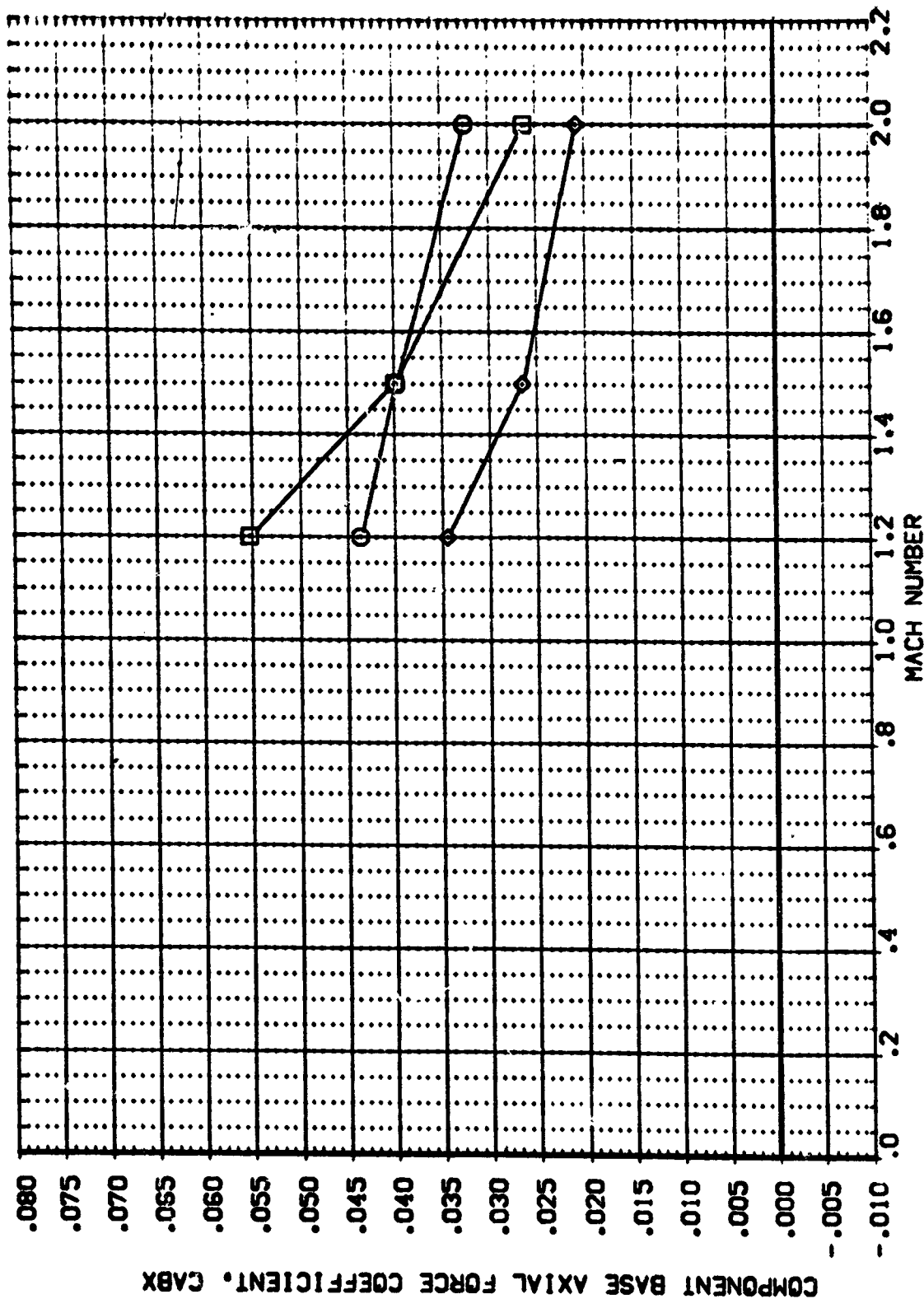


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

IA68 C1 F1 M1

CAF40043

SYMBOL DATA
 □ CABQ
 □ CABT
 ◇ CABSS

PARAMETRIC VALUES
 ALPHA .000 BETA .000

REFERENCE INFORMATION
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 LREF 1328.3000 IN.
 BREF 1328.3000 IN.
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 YGRP .0000
 ZGRP .0000
 SCALE .0040

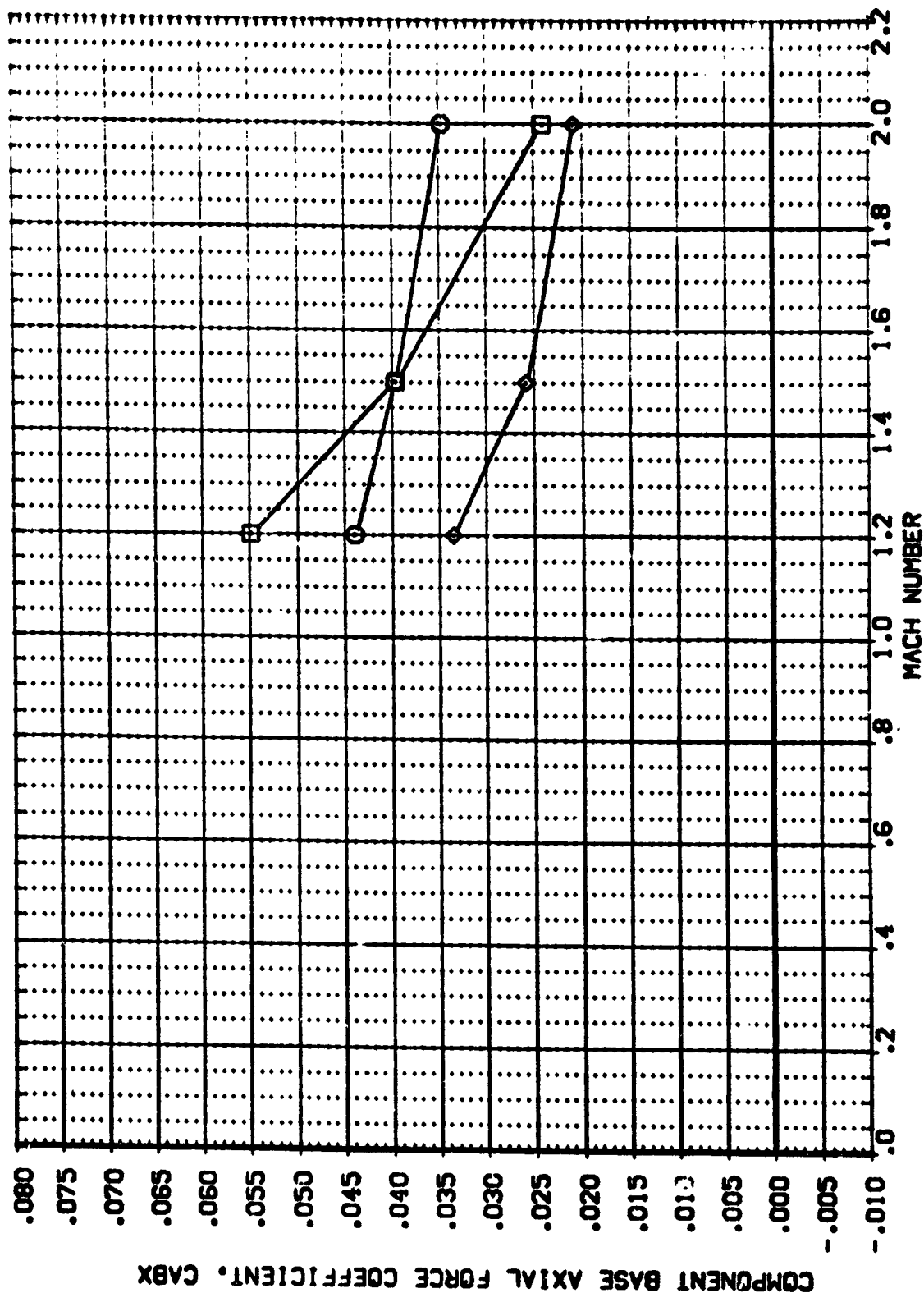


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

IA68 C1 F1 M1

(AF4004)

SYMBOL DATA PARAMETRIC VALUES REFERENCE INFORMATION

| | | | | | | | | |
|---|------|-------|-------|------|------|-------|-----------|---------|
| □ | CAB0 | ALPHA | 2.000 | BETA | .000 | SREF | 2690.0000 | 50.0000 |
| □ | CAB1 | | | | | LREF | 1378.3000 | 1.0000 |
| ◇ | CAB5 | | | | | BREF | 1328.3000 | 1.0000 |
| | | | | | | XREF | .0000 | 1.0000 |
| | | | | | | YREF | .0000 | 1.0000 |
| | | | | | | ZREF | .0000 | 1.0000 |
| | | | | | | SCALE | .0040 | |

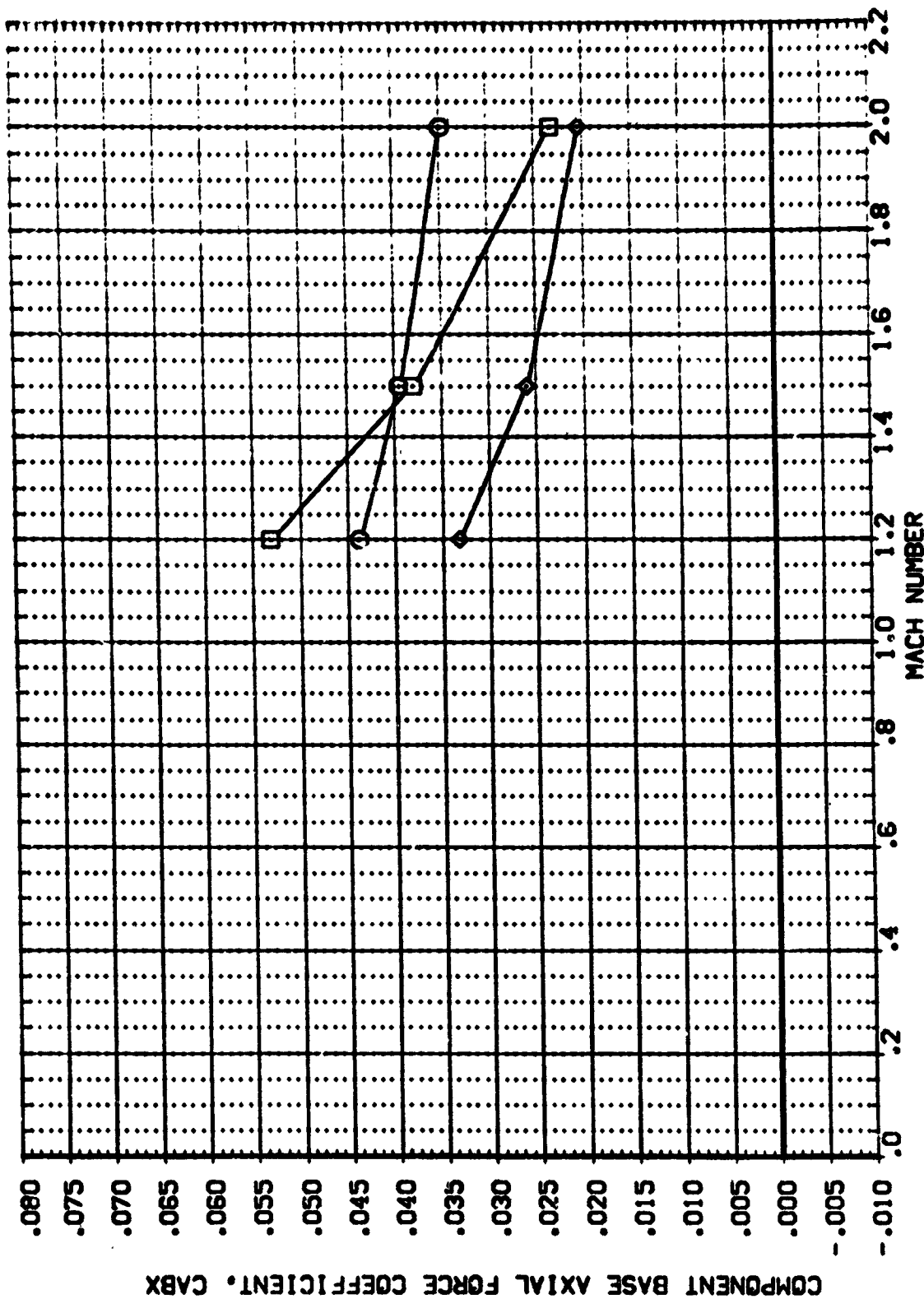


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(AF4004)

IA68 C1 F1 M1

SYMBOL DATA PARAMETRIC VALUES
CABO ALPHA 4.000 BETA .000
CABT
CABS

REFERENCE INFORMATION
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BREF 1328.3000 IN.
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YPRP .0000
ZPRP .0000
SCALE .0001

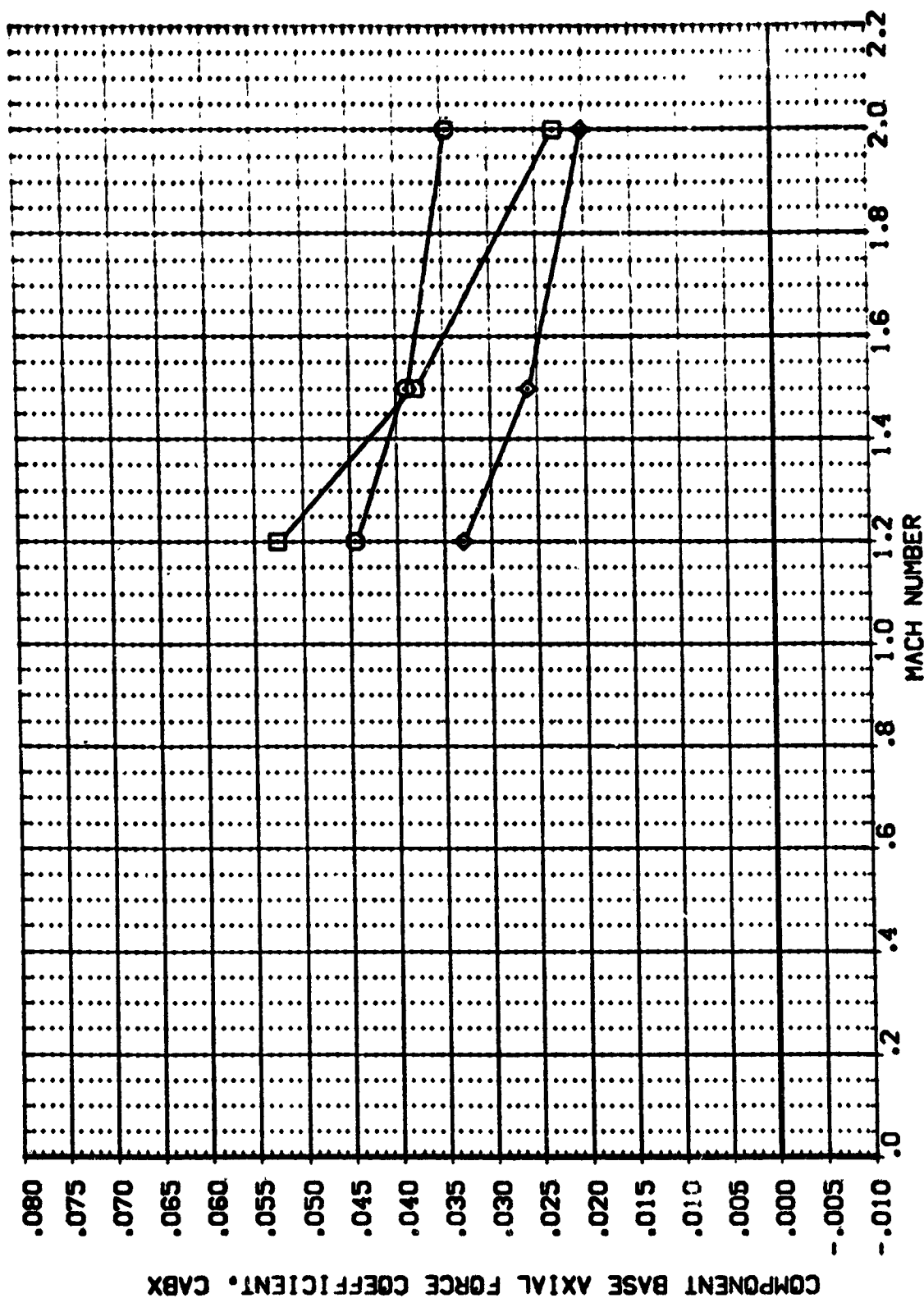


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4005)

IA68 C1 F1 M1

SYMBOL DATA
 CABO
 CABT
 CABBS

PARAMETRIC VALUES
 BETA -4.000 ALPHA .000

REFERENCE INFORMATION
 SREF 2650.0000 SQ.FT.
 LREF 1328.3000 IN.
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 ZMRP .0000
 SCALE .0000

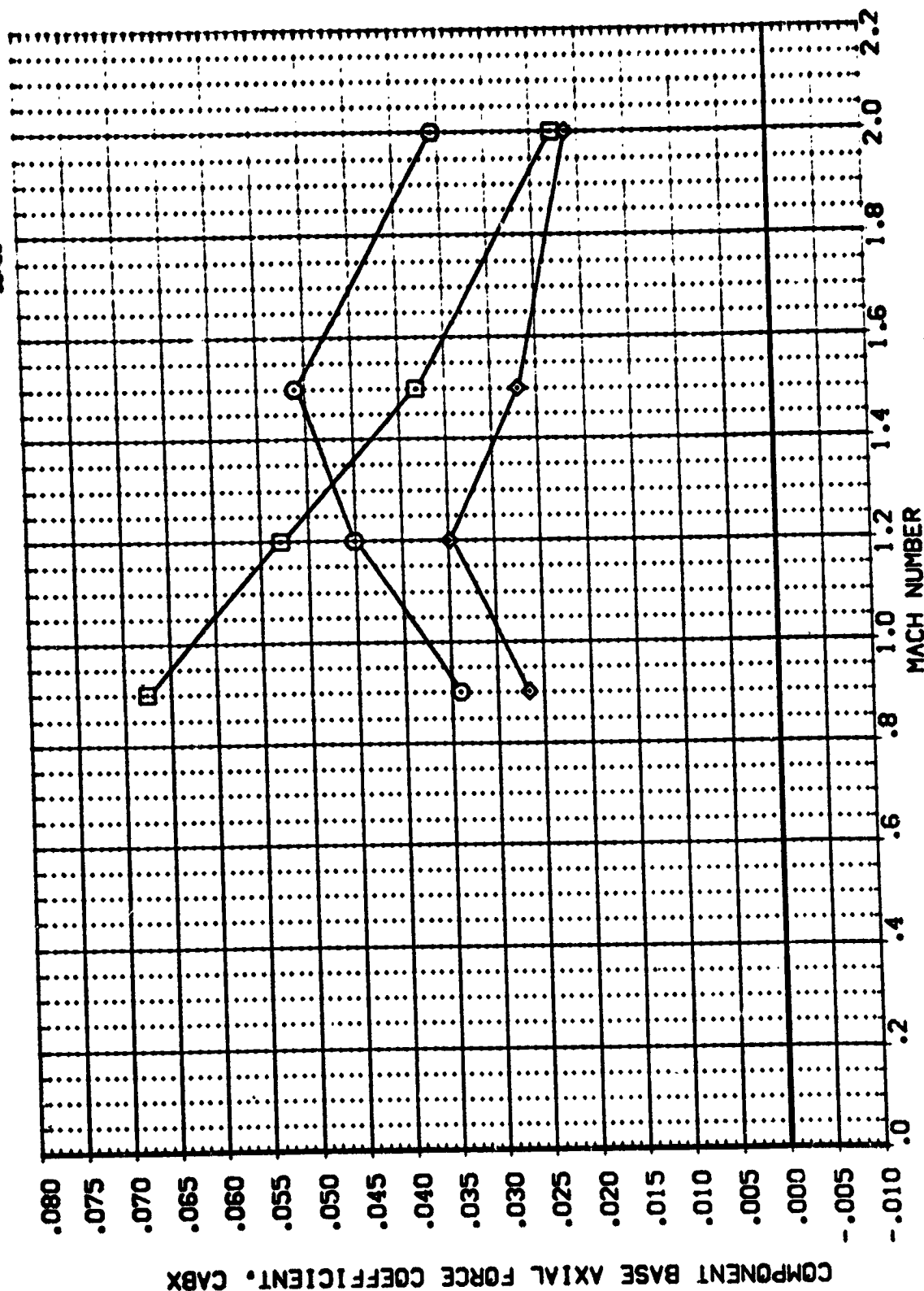


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4005)

IA68 C1 F1 M1

SYMBOL DATA CABOT CABT CABS
 REFERENCE INFORMATION
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 YREF 0.0000
 ZREF 0.0000
 SCALE 0.0015

PARAMETRIC VALUES
 BETA -2.000 ALPHA .300

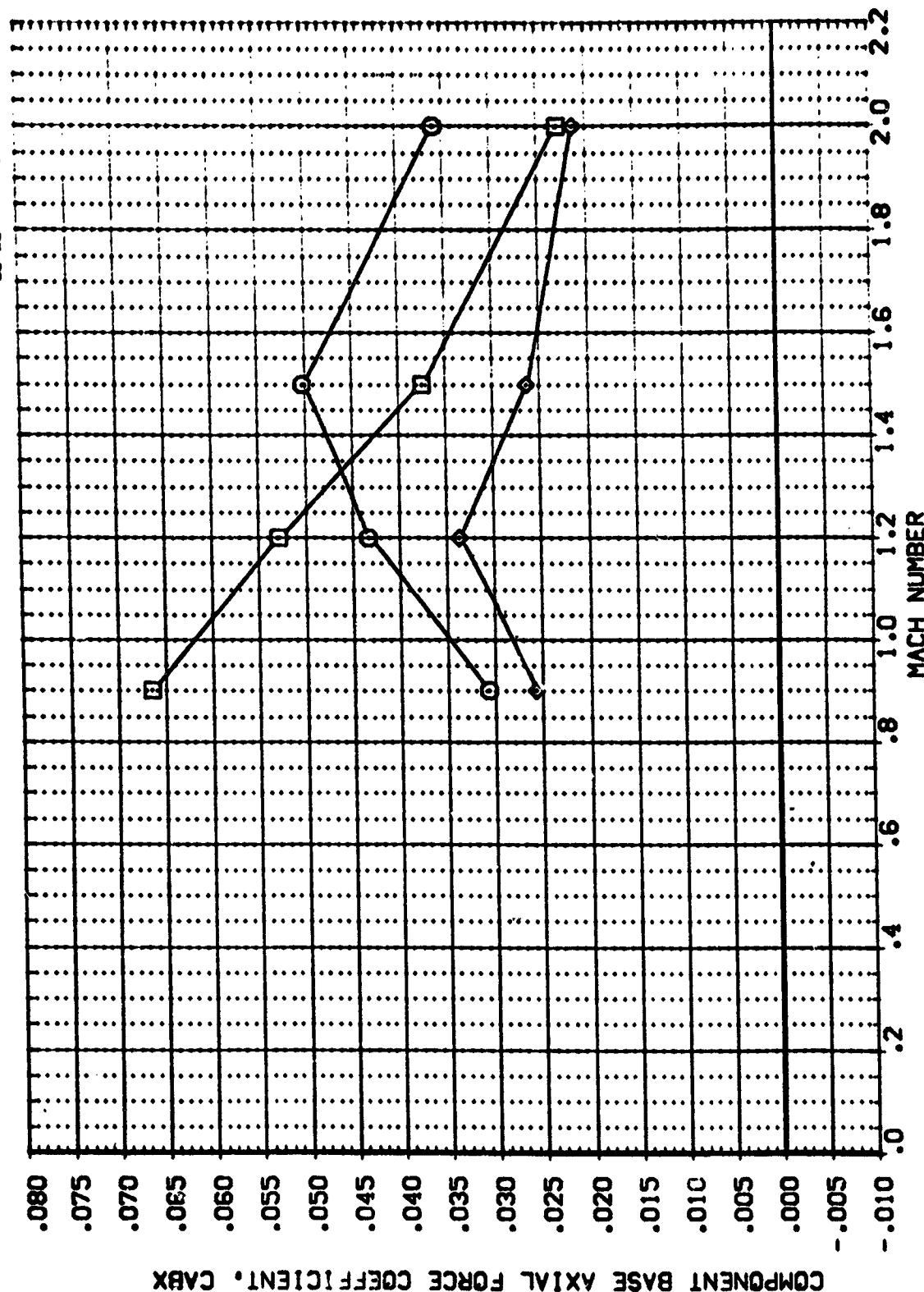


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4005)

IA68 C1 F1 M1

SYMBOL DATA BETA .000 ALPHA .000
 CABO
 CABT
 CABS

REFERENCE INFORMATION
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 SCALE .0043

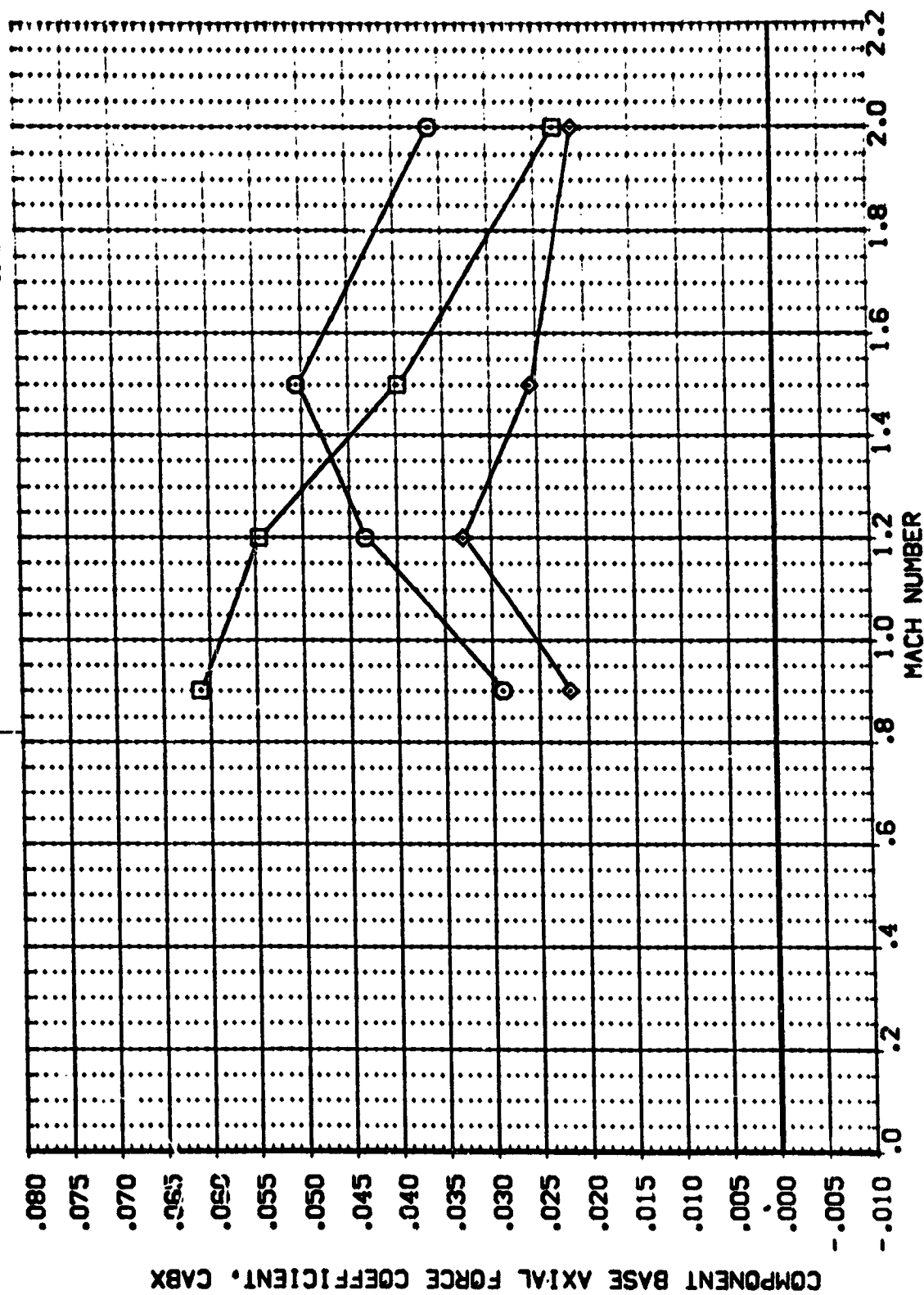


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4005)

1A68 C1 F1 M1

SYMBOL DATA
 CABO
 CABT
 CABE

PARAMETRIC VALUES
 BETA 2.000 ALPHA .000

REFERENCE INFORMATION
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 YREF 1328.3000 IN.
 ZREF 1328.3000 IN.
 SCALE .0040

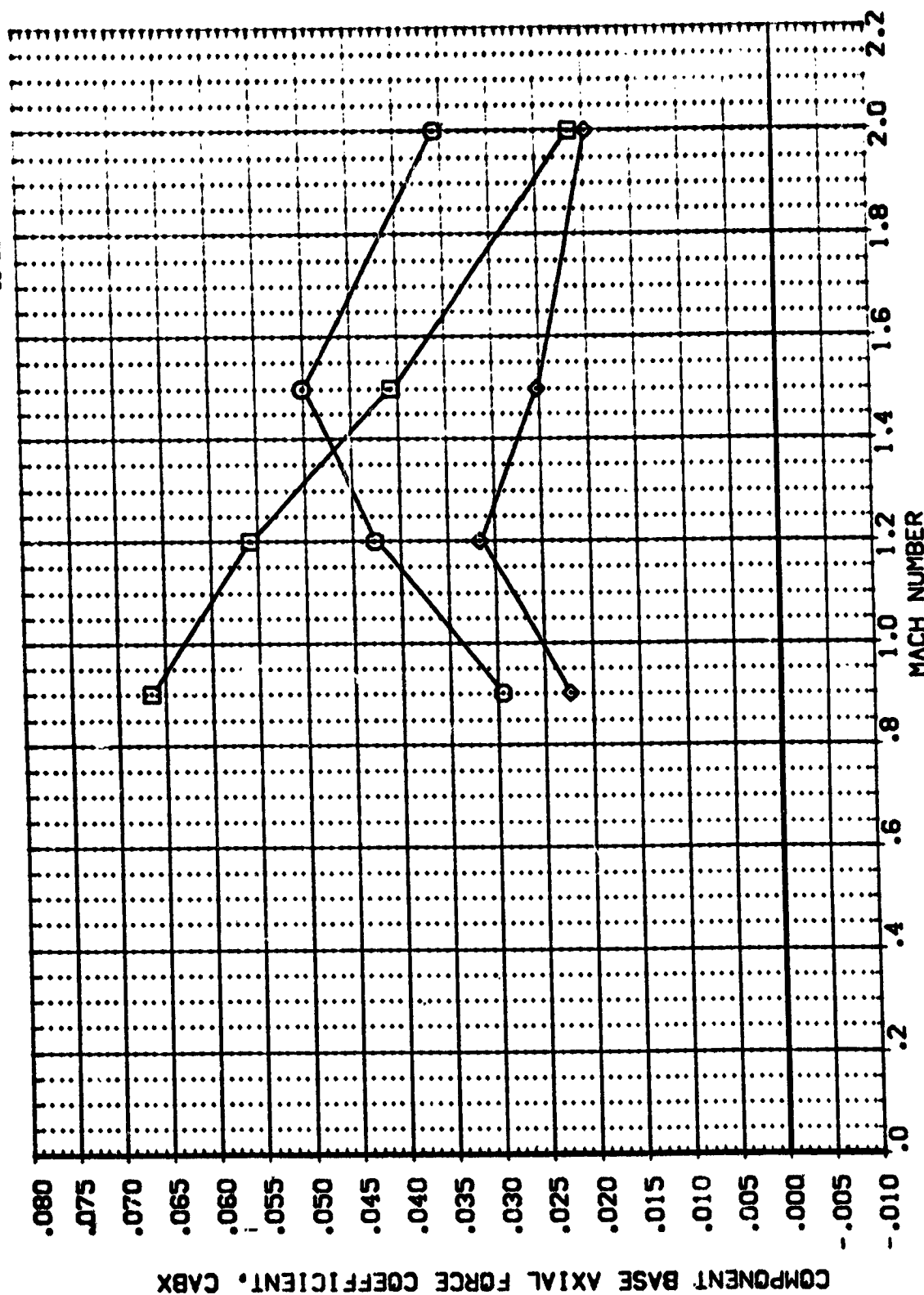


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



1A68 C1 F1 M1

(AF4005)

SYMBOL DATA
 ○ CABO
 □ CABT
 ◇ CAB5

PARAMETRIC VALUES
 BETA 4.000 ALPHA .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.3000 IN.
 BREF 1328.3000 IN.
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 ZREF .0000
 SCALE .0040

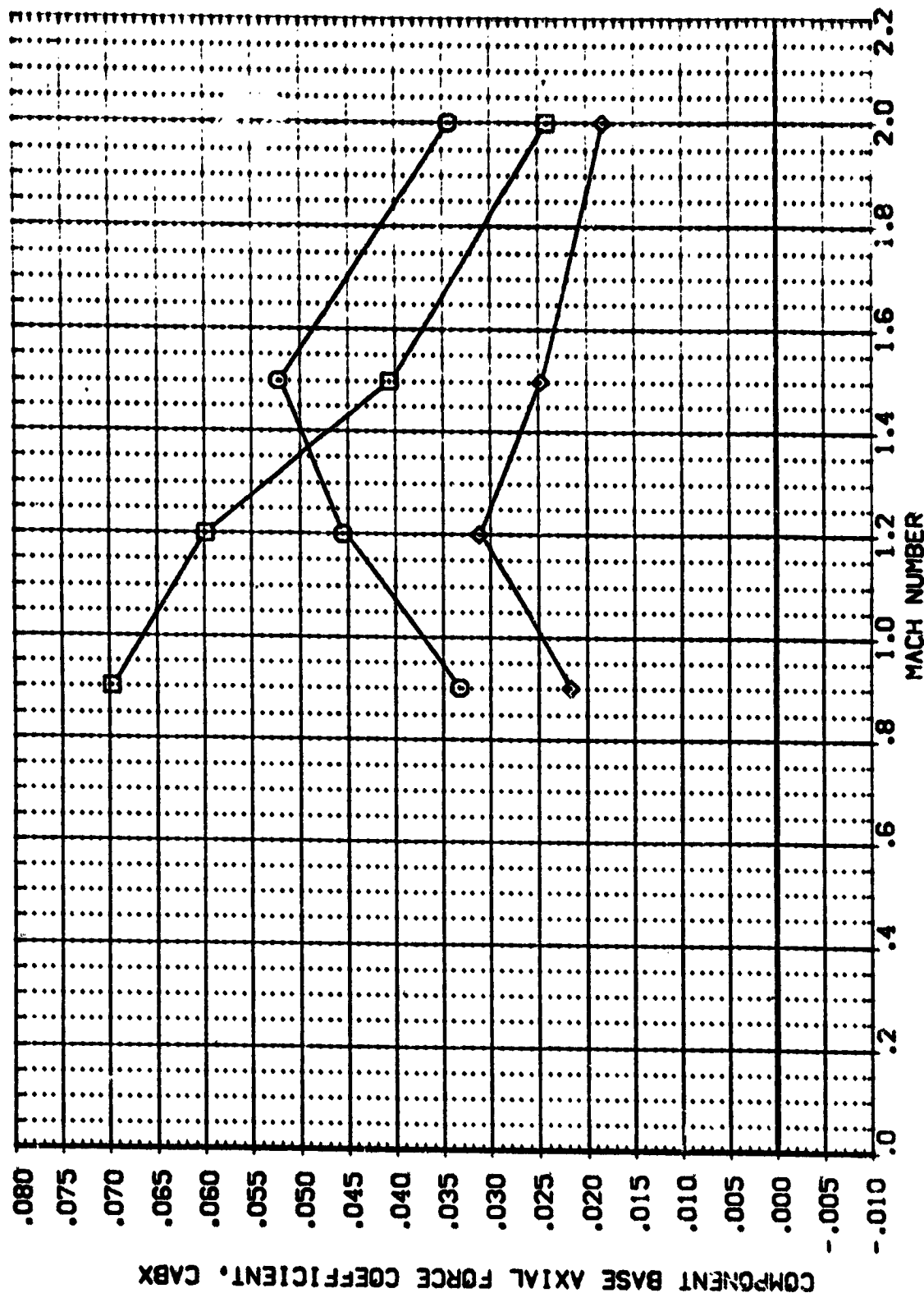


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4006)

IA68 C1 F1 M2

SYMBL DATA
 CABO
 CABT
 CABO

PARAMETRIC VALUES
 ALPHA .000 BETA .000

REFERENCE INFORMATION
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 BREF 1328.0000
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 YPROP 10000
 ZPROP 10000
 SCALE 10000

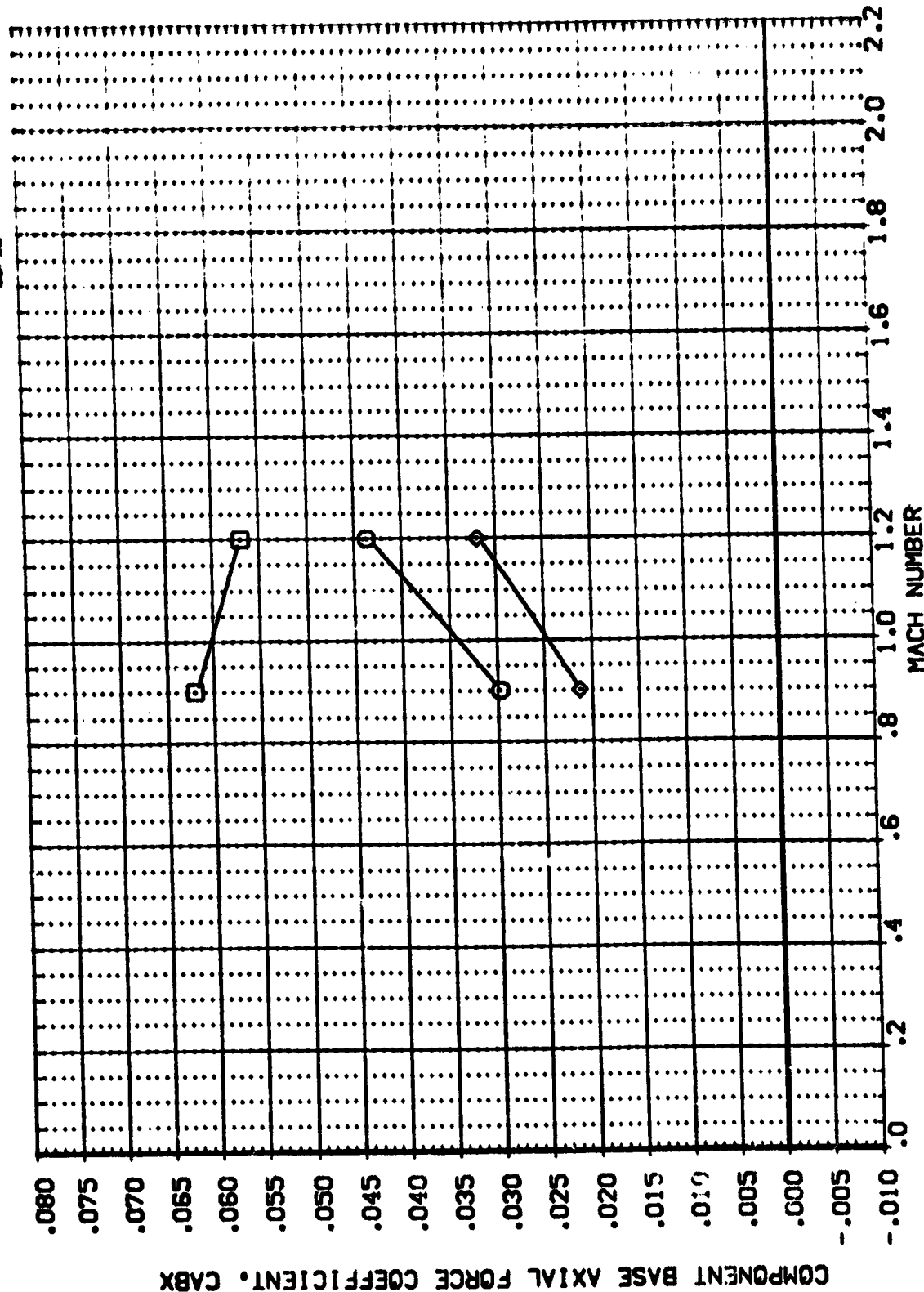


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

IA68 C1 F1 M2(1)+FILLET

(AF4007)

SYMBOL
 ○
 □
 ◇

DATA
 CABO
 CABT
 CABS

PARAMETRIC VALUES
 ALPHA -4.000 BETA .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
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 BREF 378.3000 IN.
 XMPD 0.0000
 YMPD 0.0000
 ZMPD 0.0000
 SCALE 1.0000

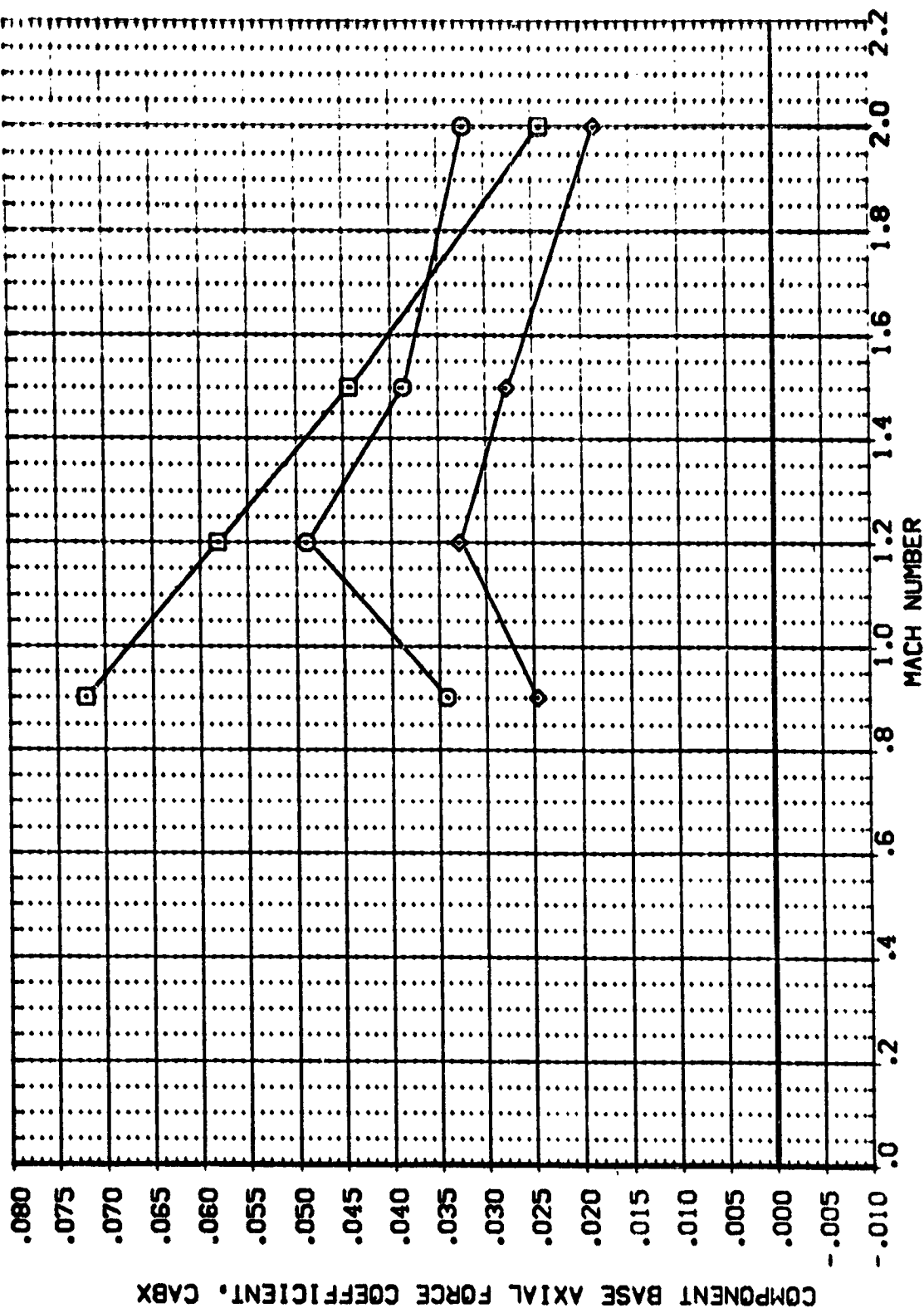


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

1A68 C1 F1 M2(1)+FILLET

(AF4007)

SYMBOL DATA
 ○ CABO
 □ CABT
 ◇ CABS

PARAMETRIC VALUES
 ALPHA -2.000 BETA .000

REFERENCE INFORMATION
 SREF 2690.0000 SC.FT.
 LREF 1378.0000
 BREF 1378.0000
 XREF 1378.0000
 YREF 1378.0000
 ZREF 1378.0000
 SCALE .0040

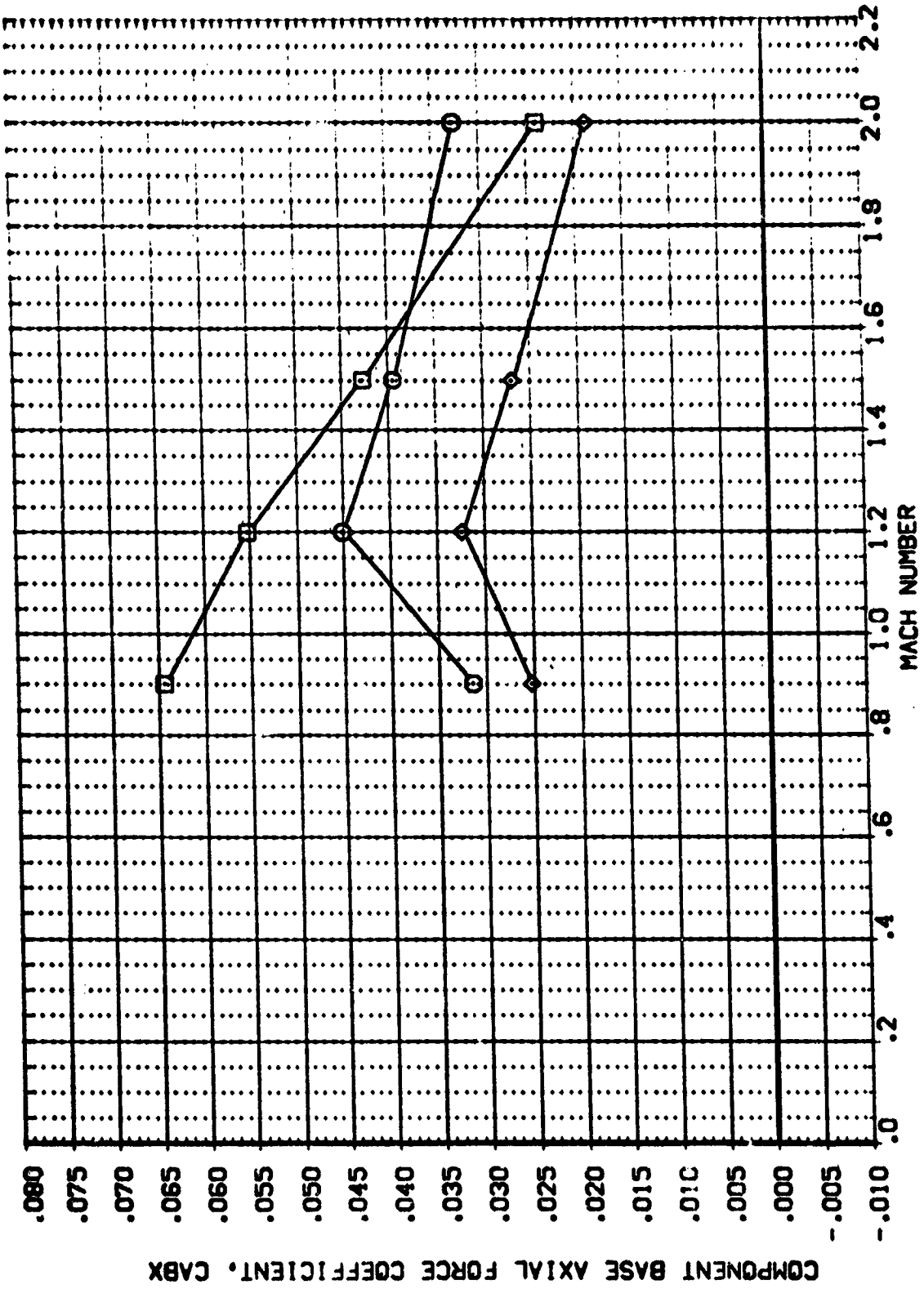


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

[AF4007]

IAE8 C1 F1 M2(1)+FILLET

SYMBOL

DATA
CABO
CABT
CABS

ALPHA

PARAMETRIC VALUES
.000 BETA .000

REFERENCE INFORMATION
SREF 2680.0000 SQ.FT.
LREF 1378.0000 IN.
BREF 1378.0000 IN.
XREF 1378.0000 IN.
YREF 1378.0000 IN.
ZREF 1378.0000 IN.
SCALE 10.40

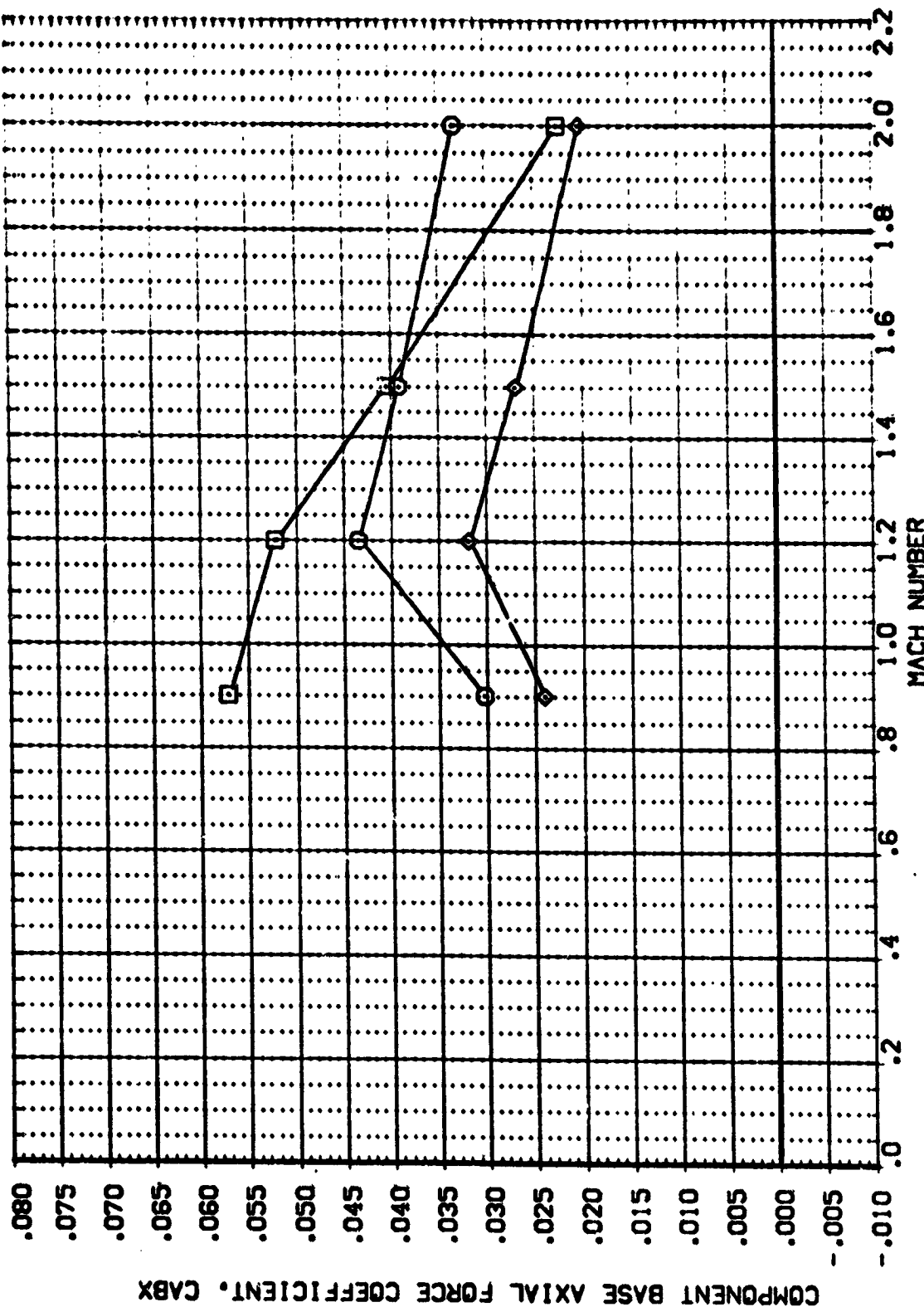


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

REPRODUCIBILITY OF THE
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(AF4007)

1A68 C1 F1 M2(1)+FILLET

SYMBOL DATA
 C800 ALPHA 2.000 BETA .000
 CABT
 CABS

REFERENCE VALUES
 SREF 2650.000
 REF 378.000
 BREF 378.000
 XREF 378.000
 YREF 378.000
 ZREF 378.000
 SCALE

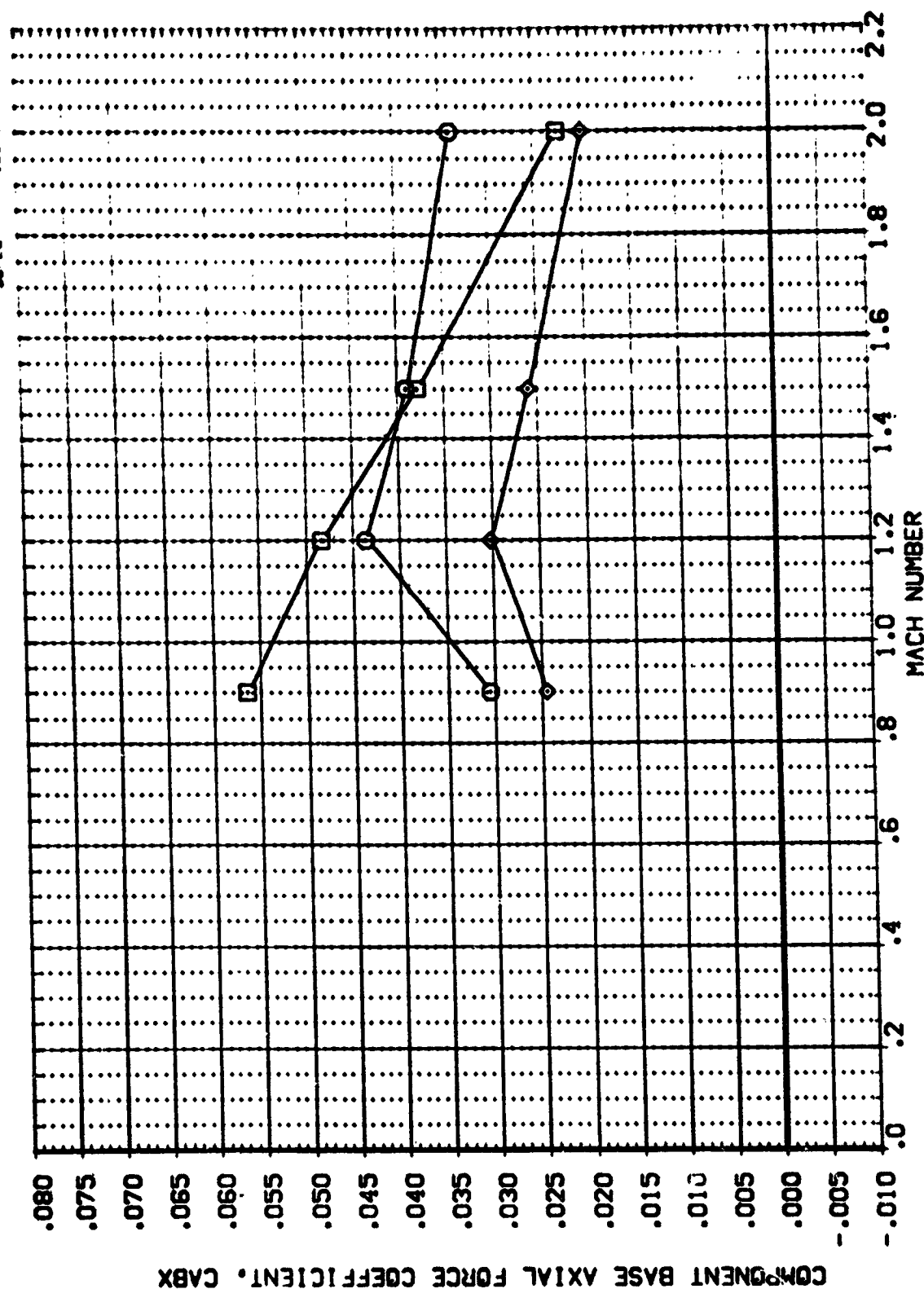


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

IA68 C1 F1 M2(1)+FILLET

CAF4007:

SYMBOL DATA
 □ CABO
 ◇ CABT
 ◇ CABS

PARAMETRIC VALUES
 ALPHA 4.000 BETA .000

REFERENCE INFORMATION
 SREF 2680.0000
 L REF 378.0000
 B REF 378.0000
 X REF 378.0000
 Y REF 378.0000
 Z REF 378.0000
 SCALE .0049

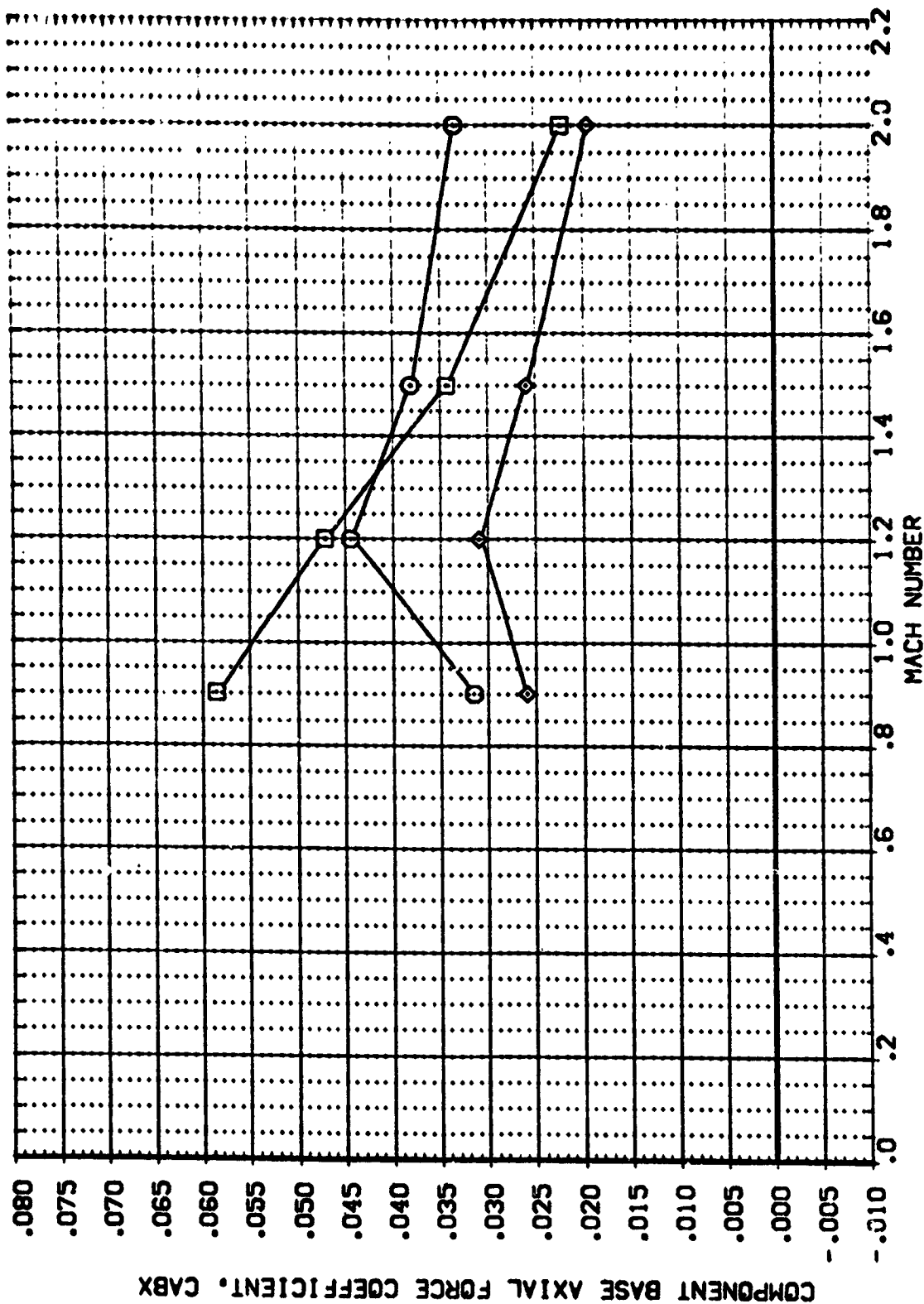


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4008)

IA68 C1 F1 M2(1)+FILLET

SYMBOL DATA
 CABO
 CABT
 CABS

BETA
 -4.000 ALPHA
 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 IREF 1378.0000 IN.
 BREF 1378.0000 IN.
 XREF .0000
 YREF .0000
 ZREF .0000
 SCALE .0040

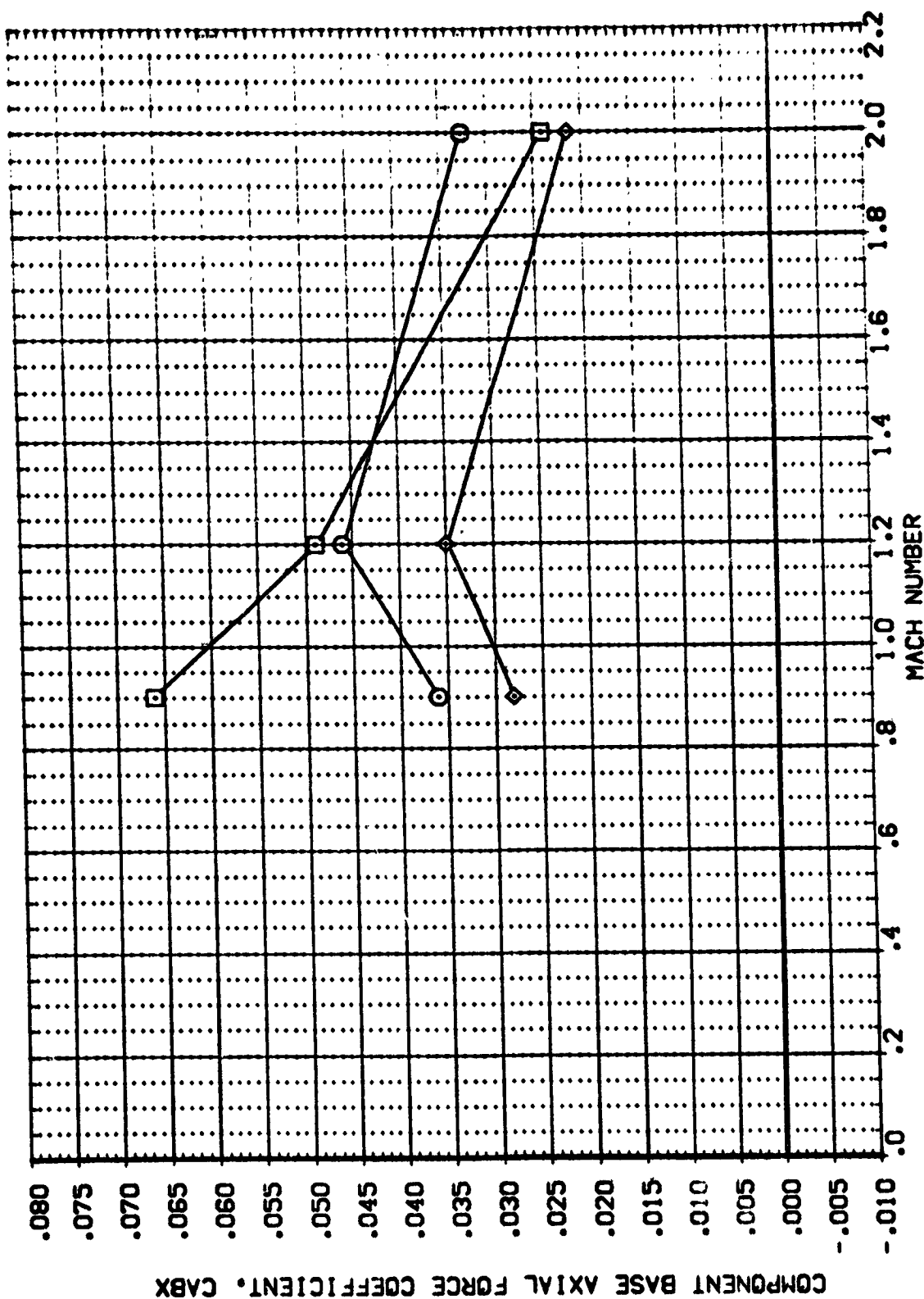


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



IA68 C1 F1 M2(1)+FILLET

(AF4008)

SYMBOL
 ○
 □
 ◇

DATA
 CABD
 CABT
 CABS

BETA

PARAMETRIC VALUES
 -2.000 ALPHA

.000

REFERENCE INFORMATION
 SREF 2690 0000
 LREF 328 3000
 BREF 328 3000
 XMRP 328 3000
 YMRP 328 3000
 ZMRP 328 3000
 SCALE 1000

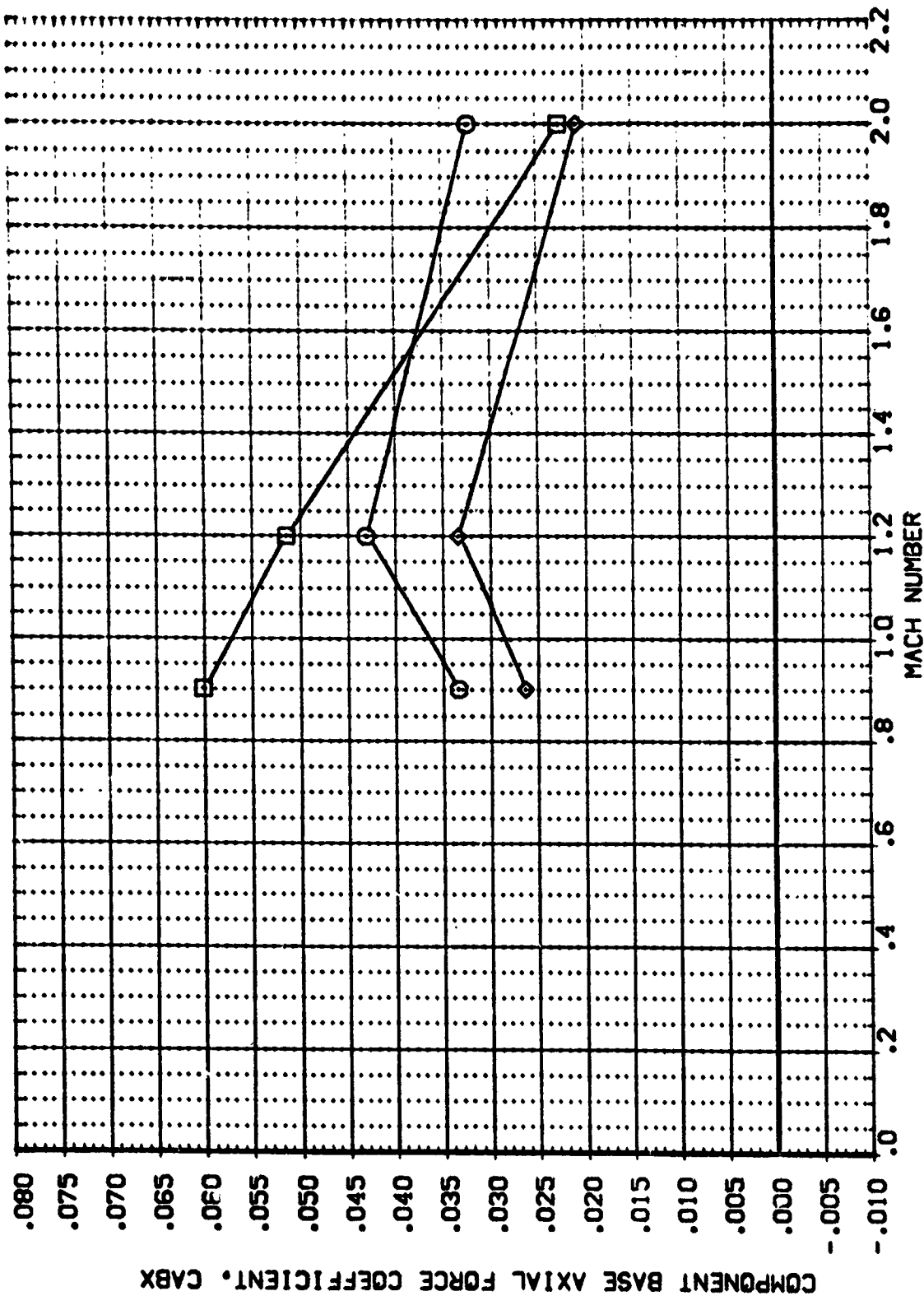


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

REPRODUCIBILITY OF THE
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(AF4008)

IA68 C1 F1 M2(1)+FILLET

PARAMETRIC VALUES .000 .000

DATA
CABO
CABT
CABS

REFERENCE INFORMATION
SREF 2690.0000
LREF 378.3000
BREF 328.3000
XPRP 0.0000
YPRP 0.0000
ZPRP 0.0000
SCALE 1.0000

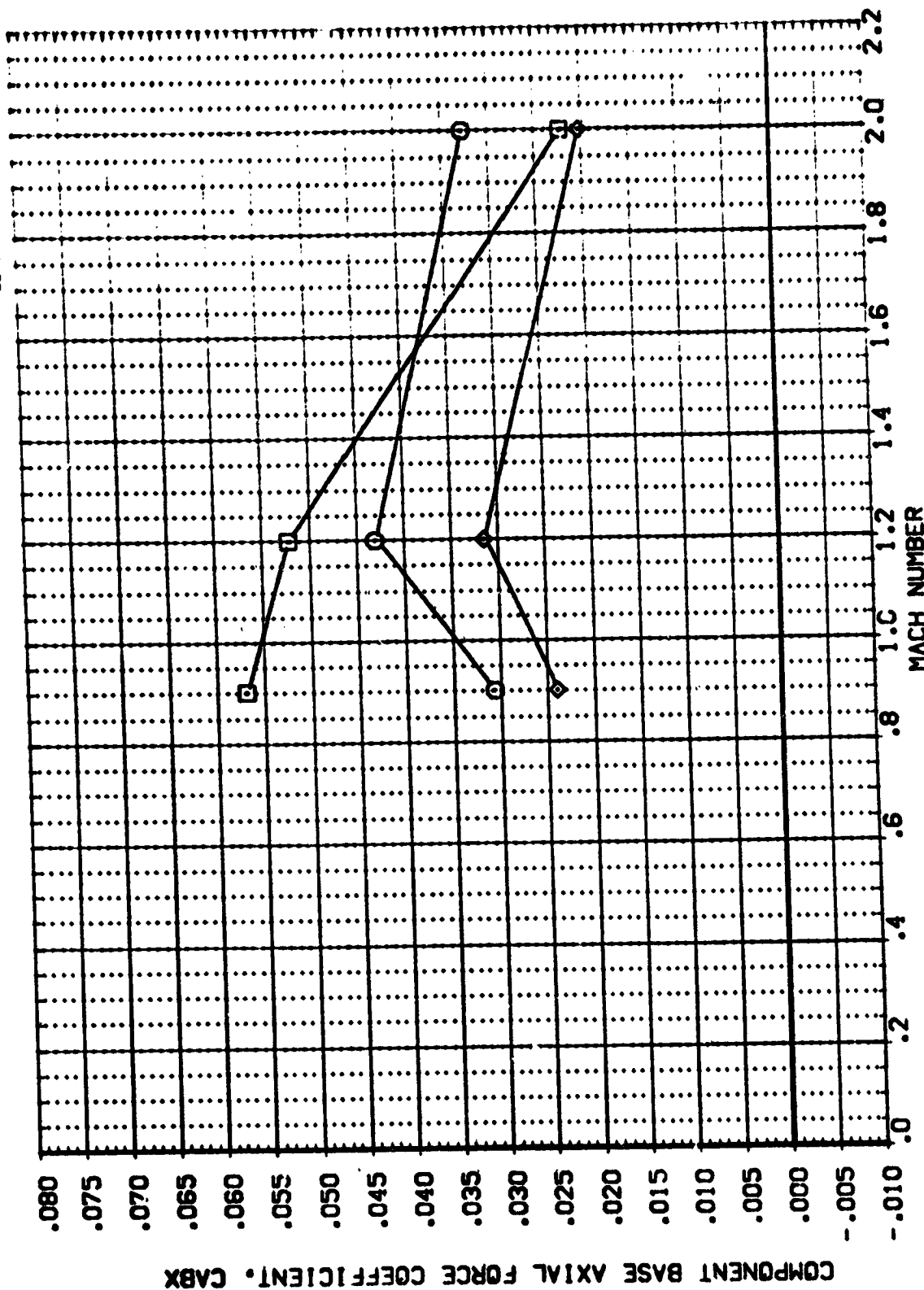


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4008)

IA68 C1 F1 M2(1)+FILLET

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.3000 IN.
 BREF 1328.3000 IN.
 XPROP .0000
 YPROP .0000
 ZPROP .0000
 SCALE .0040

PARAMETRIC VALUES
 BETA 2.000 ALPHA .000

DATA
 CABO
 CABT
 CAB5

SYMBOL
 ○
 □
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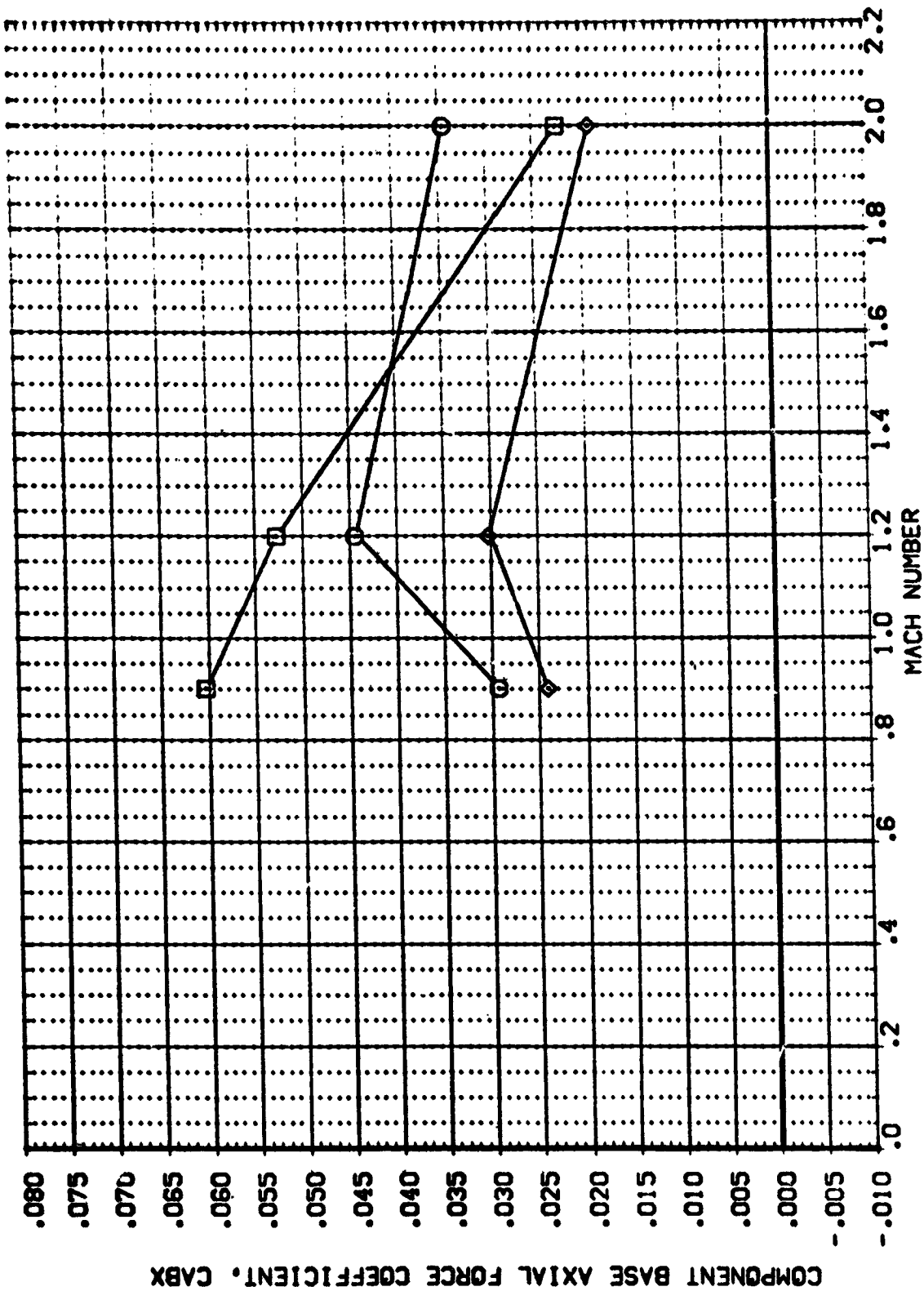


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4008)

1A68 C1 F1 M2(1)+FILLET

DATA C800 BETA 4.000 ALPHA .000

SYMBOL
 C800
 C801
 C802

REFERENCE INFORMATION
 SREF 2650.0000
 LREF 328.5000
 BREF 378.5000
 XREF 378.5000
 YREF 378.5000
 ZREF 378.5000
 SCALE 1.0000

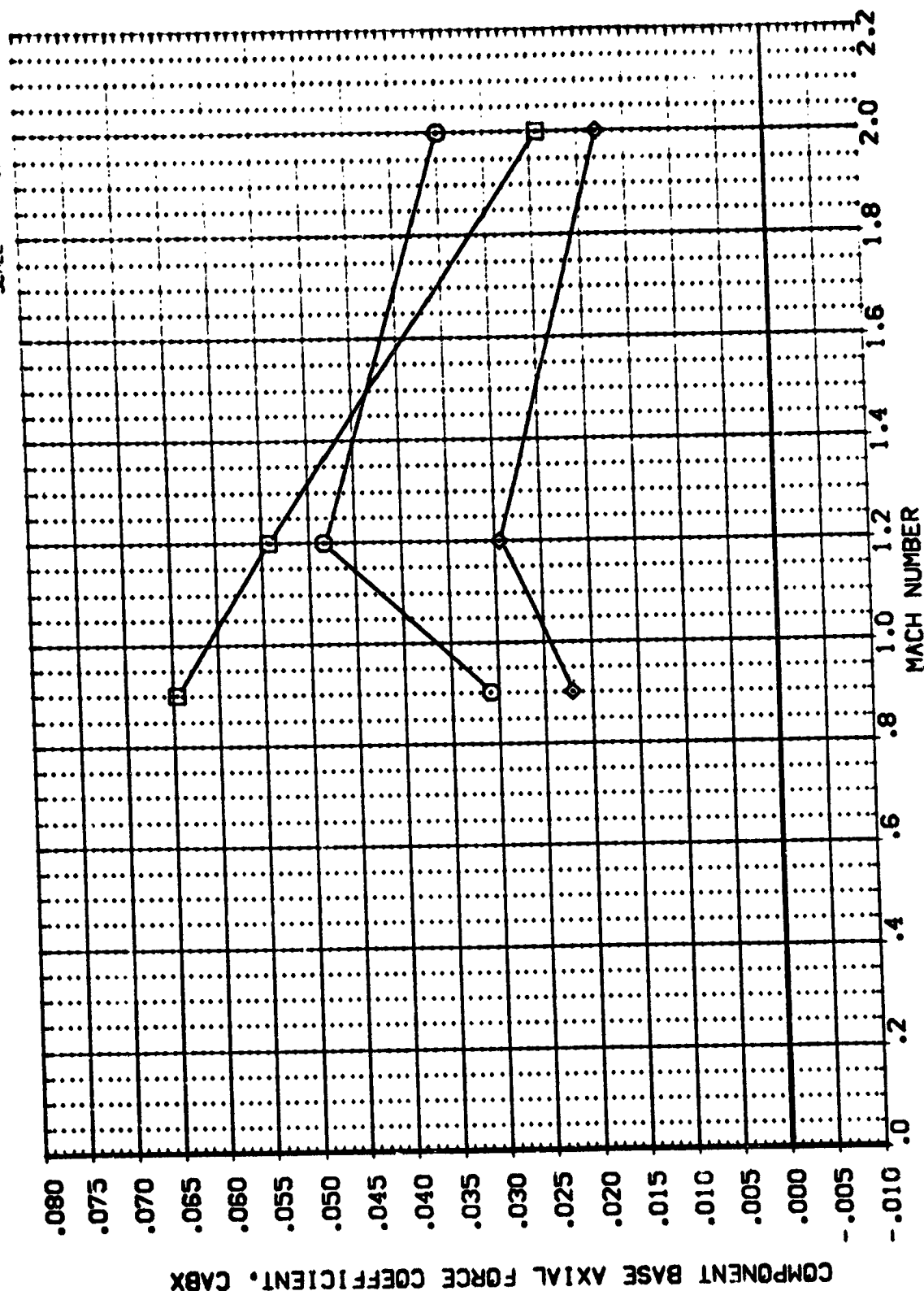


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4009)

IA68 C1 F1 M3 M4

SYMBOL DATA
 ○ CABO
 □ CABT
 ◇ CAB5

PARAMETRIC VALUES
 ALPHA -4.000 BETA .000

REFERENCE INFORMATION
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 LREF 1328.0000
 BREF 1328.0000
 XREF 1328.0000
 YREF 1328.0000
 ZREF 1328.0000
 SCALE 10040

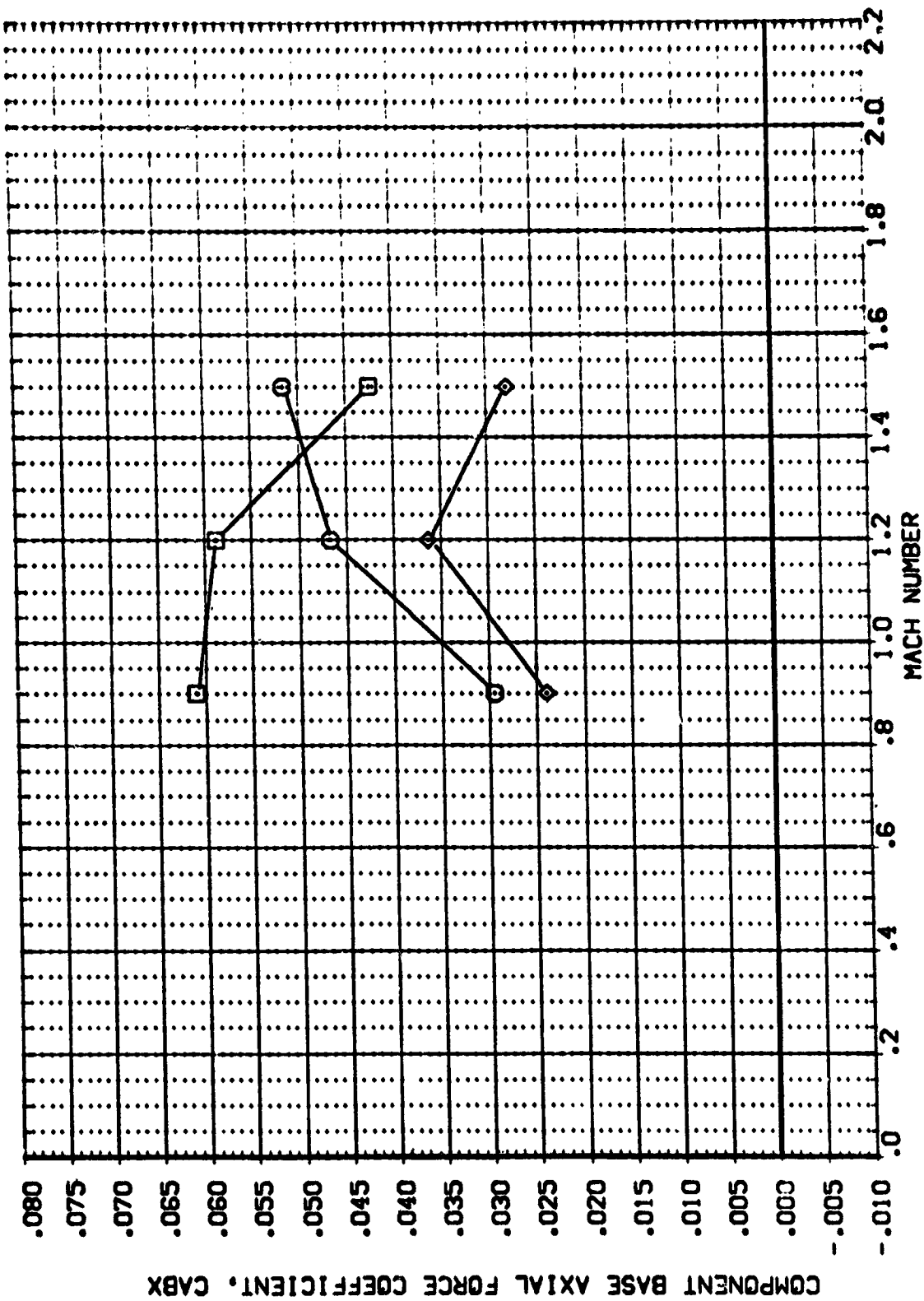


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

REPRODUCIBILITY OF THE
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IA68 C1 F1 M3 M4

(AF4009)

SYMBOL

DATA
CABO
CABT
CABS

ALPHA

PARAMETRIC VALUES
-2.000 BETA

.000

REFERENCE INFORMATION
SREF 2690.0000 SC.FT.
LREF 1378.0000 IN.
BREF 1378.0000
XMRP .0000
YMRP .0000
ZMRP .0000
SCALE .0000

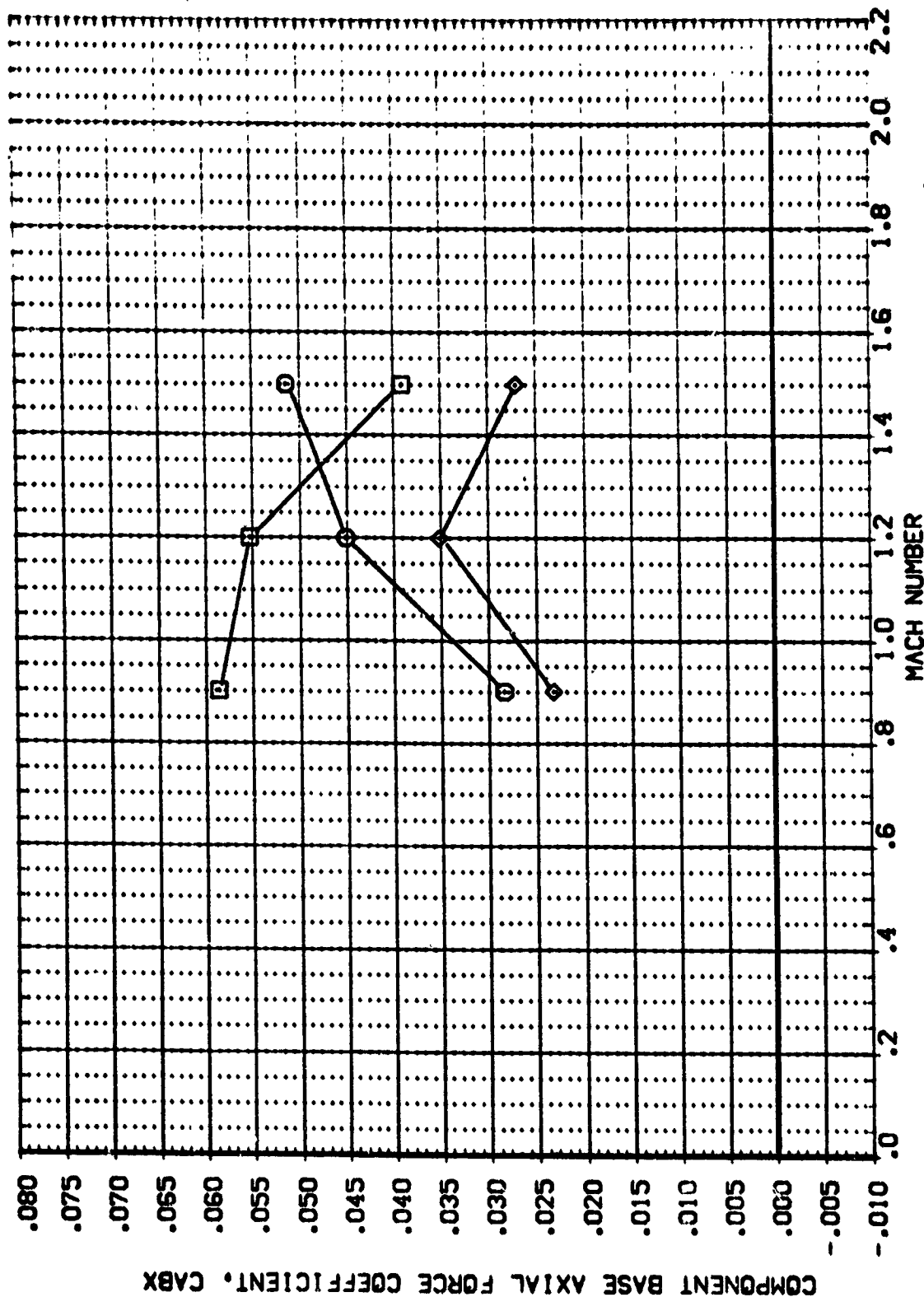


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

[AF4009]

IA68 C: F1 M3 M4

SYMBOL DATA
 CABO
 CABT
 CAB5

PARAMETRIC VALUES
 ALPHA .000 BETA .000

REFERENCE INFORMATION
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 BREF 378 378
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 SCALE 378 378

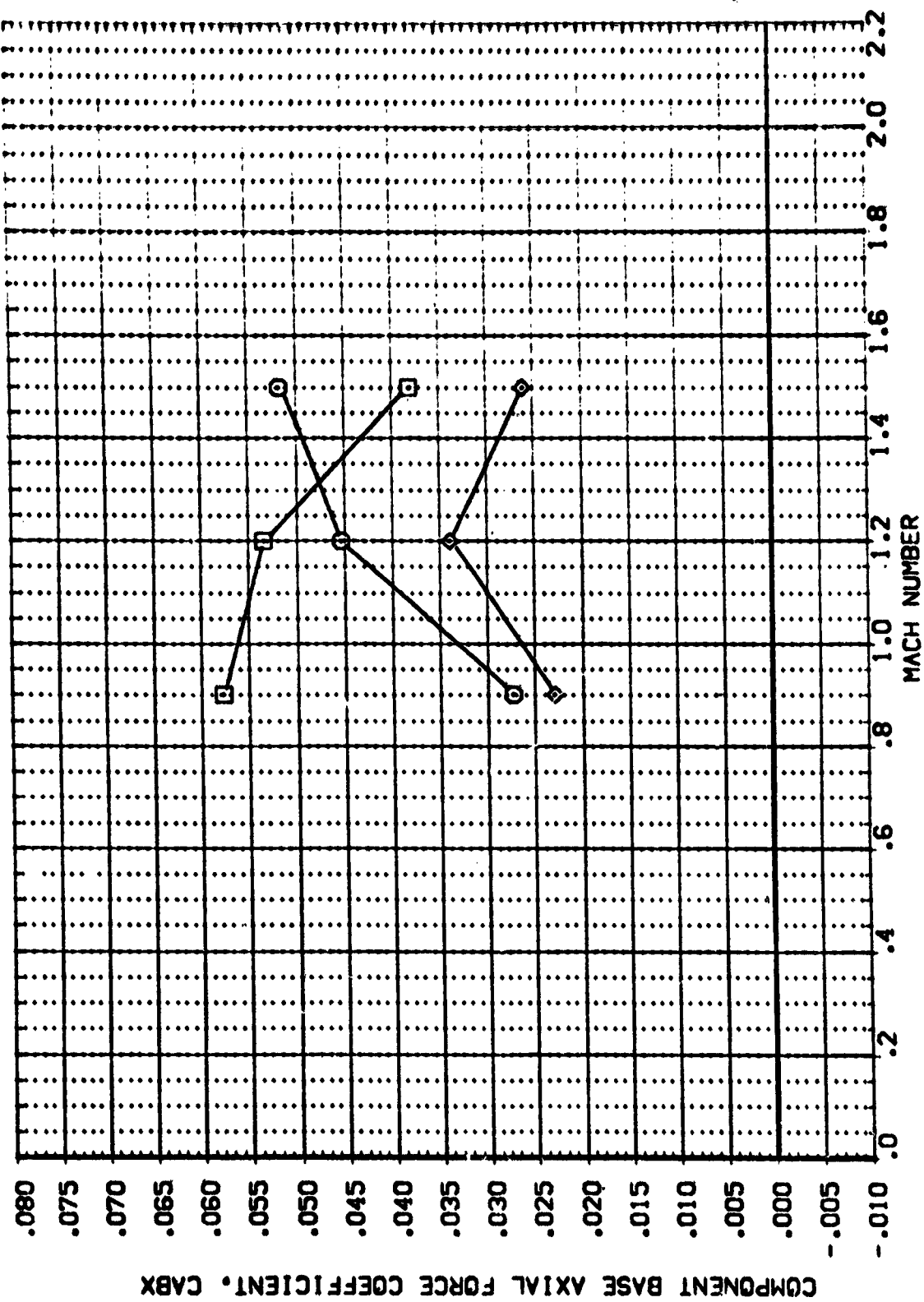


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(A-400)

IA68 C: F1 M3 V4

SEV
LBV
CAB
CAV

| PARAMETRIC VALUES | ALPHA | BETA |
|-------------------|-------|------|
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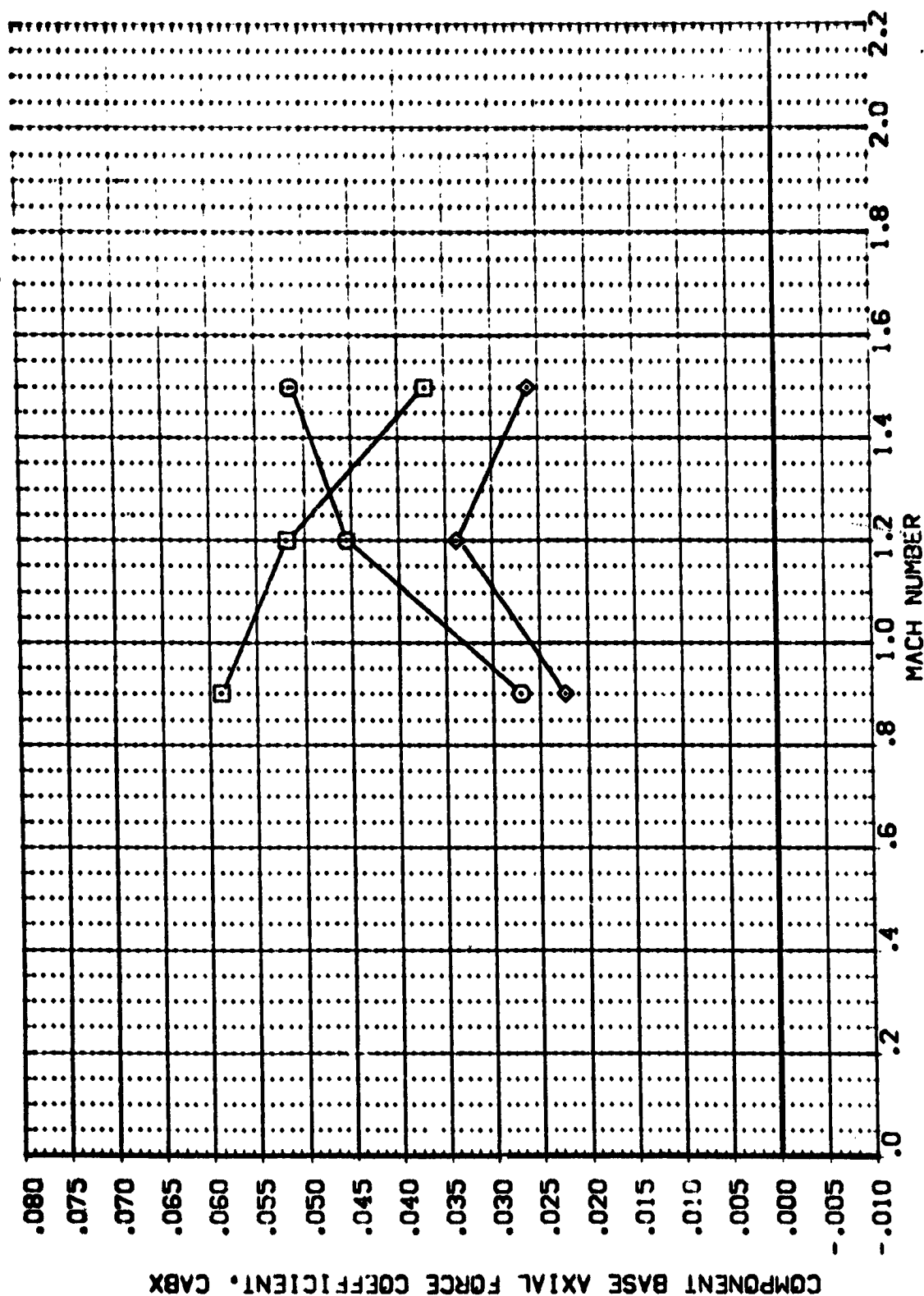


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4009)

1A68 C1 F1 M3 M4

SYMBOL DATA
 CABO
 CABT
 CABO

PARAMETRIC VALUES
 ALPHA 4.000 BETA .000

REFERENCE INFORMATION
 REF 7680.0000
 LREF 1328.0000
 BREF 1328.0000
 YREF 1328.0000
 ZREF 1328.0000
 SCALE 10000

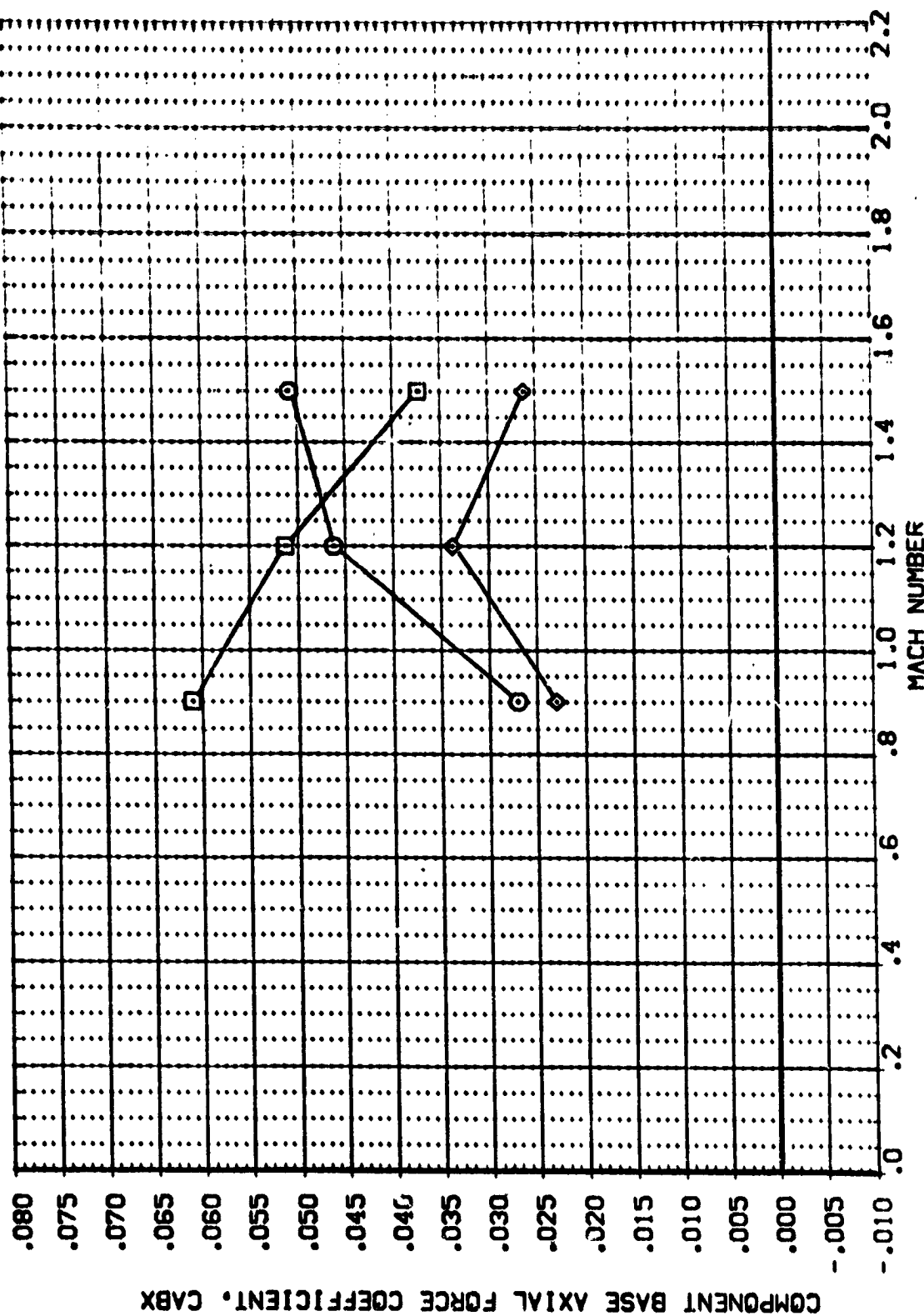


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

IAF40100

IA68 C1 F1 M3 M4

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1378.0000 IN.
 SREF 1378.0000 IN.
 XREF 1378.0000 IN.
 YREF 1378.0000 IN.
 ZREF 1378.0000 IN.
 SCALE 10000

PARAMETRIC VALUES
 BETA -4.000 ALPHA .000

DATA
 CABO
 CABT
 CABS

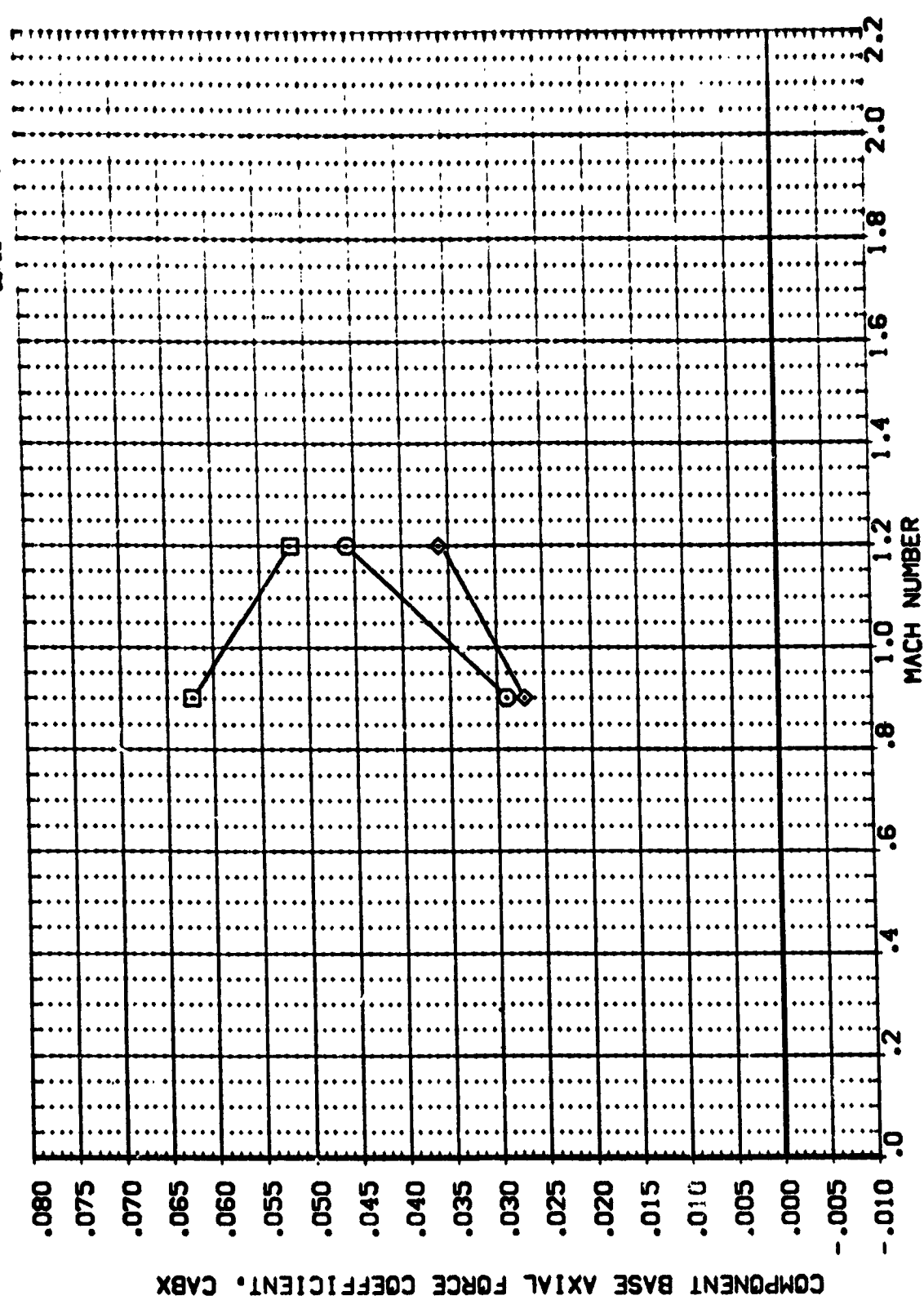


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



(AF4010)

IA68 C1 F1 M3 M4

SYMBOL DATA
 CABO
 CABT
 CABD

BETA
 -2.000 ALPHA
 .000

REFERENCE INFORMATION
 SREF 2650.0000
 LREF 1328.0000
 BREF 1328.0000
 XMRP .0000
 YMRP .0000
 ZMRP .0000
 SCALE .0000

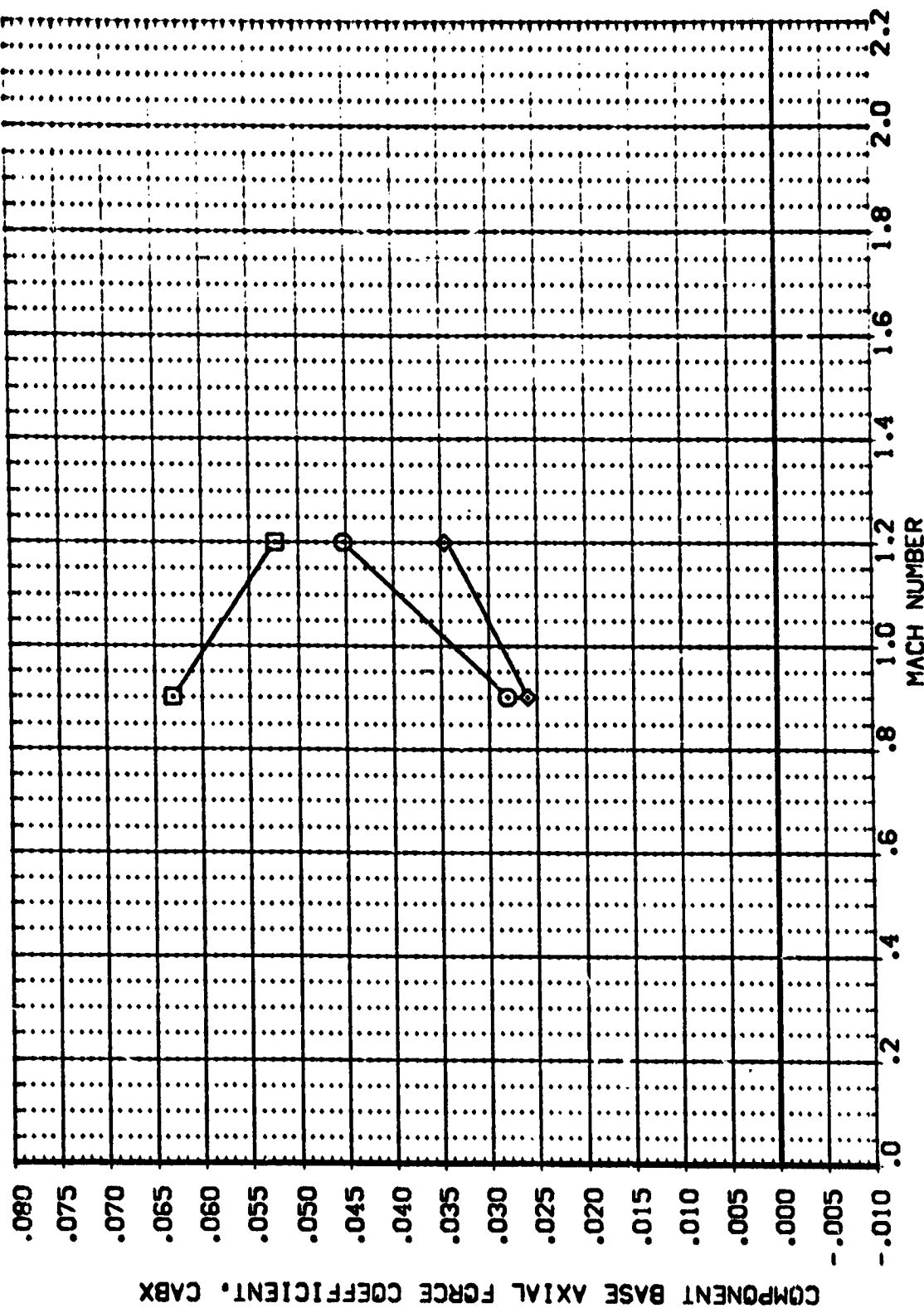


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

:A68 C1 F1 M3 M4

(AF40:0)

SYMBOL
 ○
 □
 ◇

DATA
 CABO
 CABT
 CAB5

BETA

PARAMETRIC VALUES
 .000 ALP-A

.000

REFERENCE INFORMATION
 SREF 7680.0000
 LREF 378.0000
 BREF 378.0000
 XPROP 1.0000
 YPROP 1.0000
 ZPROP 1.0000
 SCALE .0040

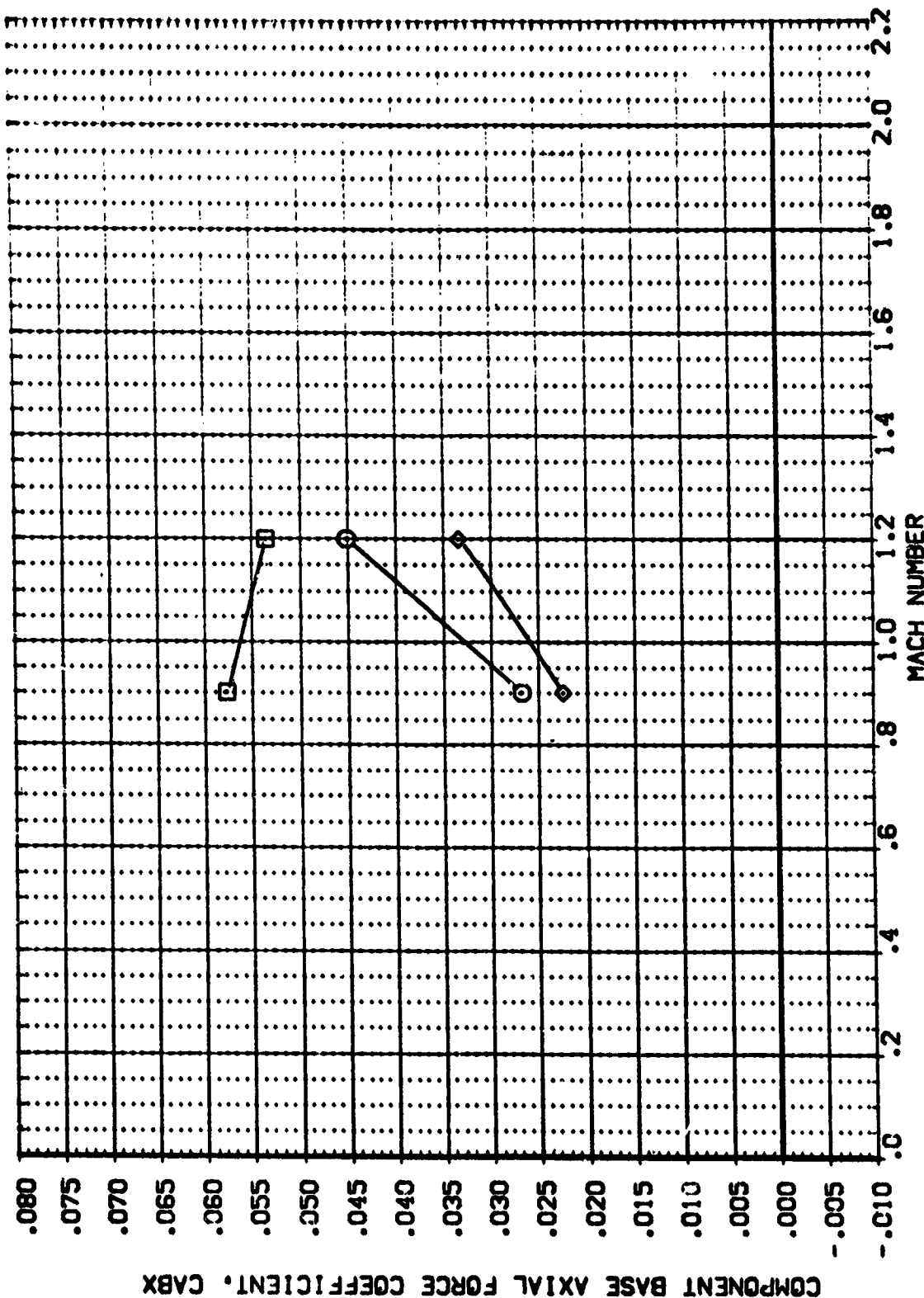


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4010)

1A68 C1 F1 M3 M4

REFERENCE INFORMATION
 SREF 7690.0000 SQ.FT.
 LREF 1378.3000
 BREF 1378.3000
 XREF 10000
 YREF 10000
 ZREF 10000
 SCALE .0010

PARAMETRIC VALUES
 BETA 2.000 ALPHA .000

DATA
 CABO
 CABT
 CAB5

SYMBOL
 □
 ◇

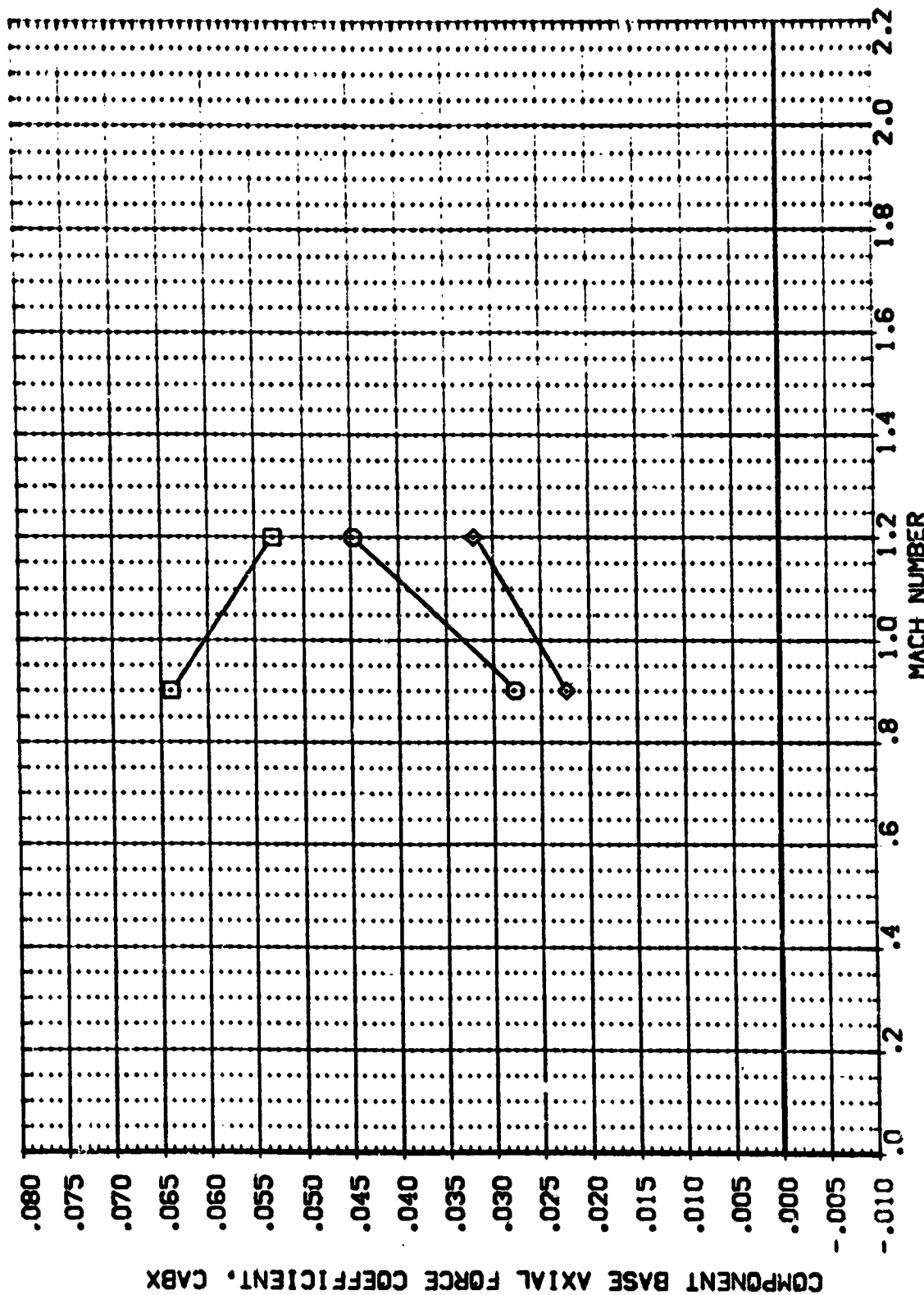


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF40:0)

:A66 C1 F1 M3 M4

PARAMETRIC VALUES
BETA 4.000 ALPHA .000

SYMBOL DATA
CABO CABT CABBS

REFERENCE INFORMATION
SPEC 2680.0000
LREF 378.3000
BREF 378.3000
XREF 378.3000
YREF 378.3000
ZREF 378.3000
SCALE 10000

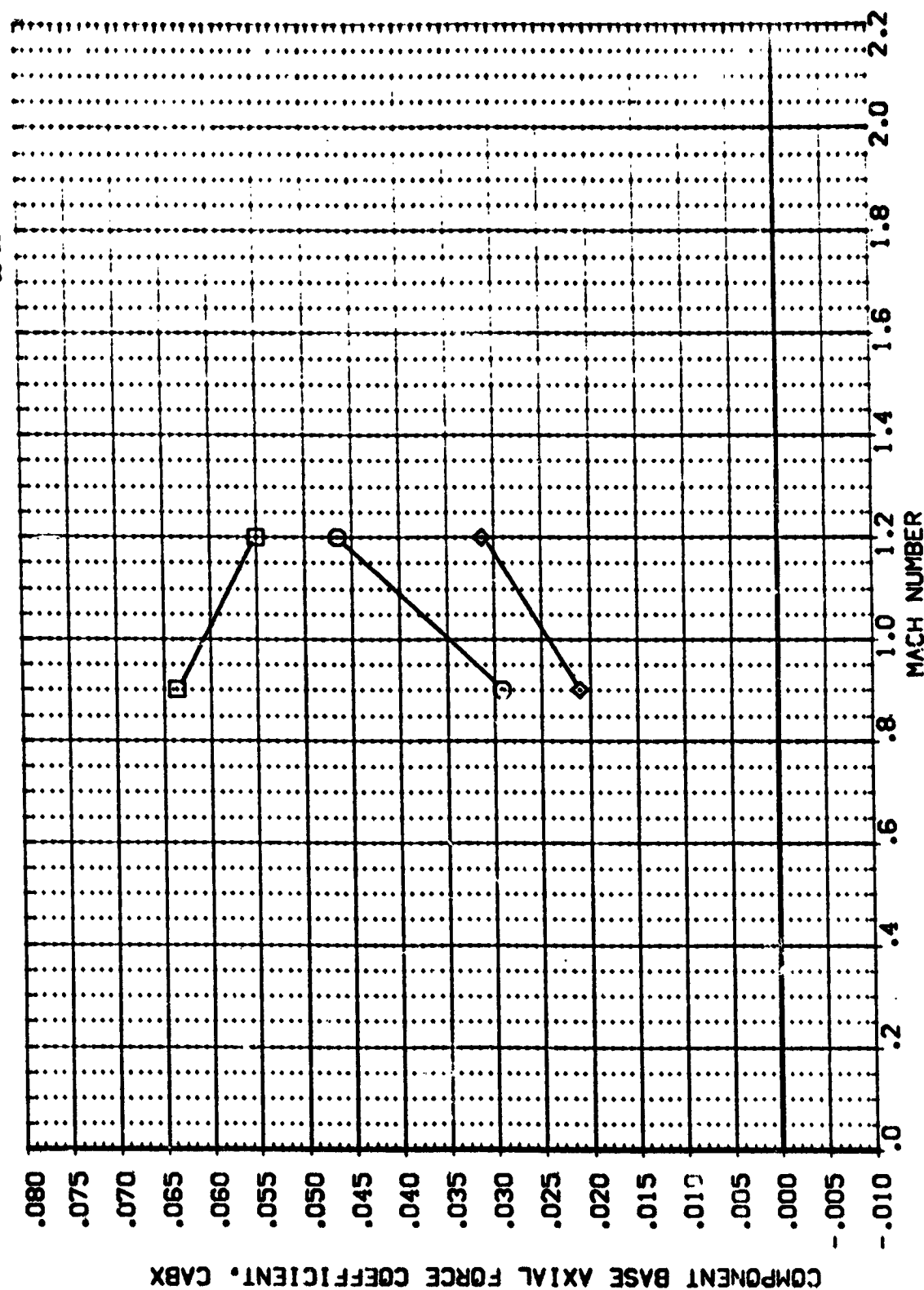


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



IA68 C1 F1 M1

(AF4011)

SYMBOL DATA
 CABO
 CABT
 CABS

PARAMETRIC VALUES
 ALPHA -4.000 BETA .000

REFERENCE INFORMATION
 SREF 2680.0000
 LREF 1.278
 BREF 1.328
 XWRP 1.0000
 YWRP 1.0000
 ZWRP 1.0000
 SCALE 1.0000

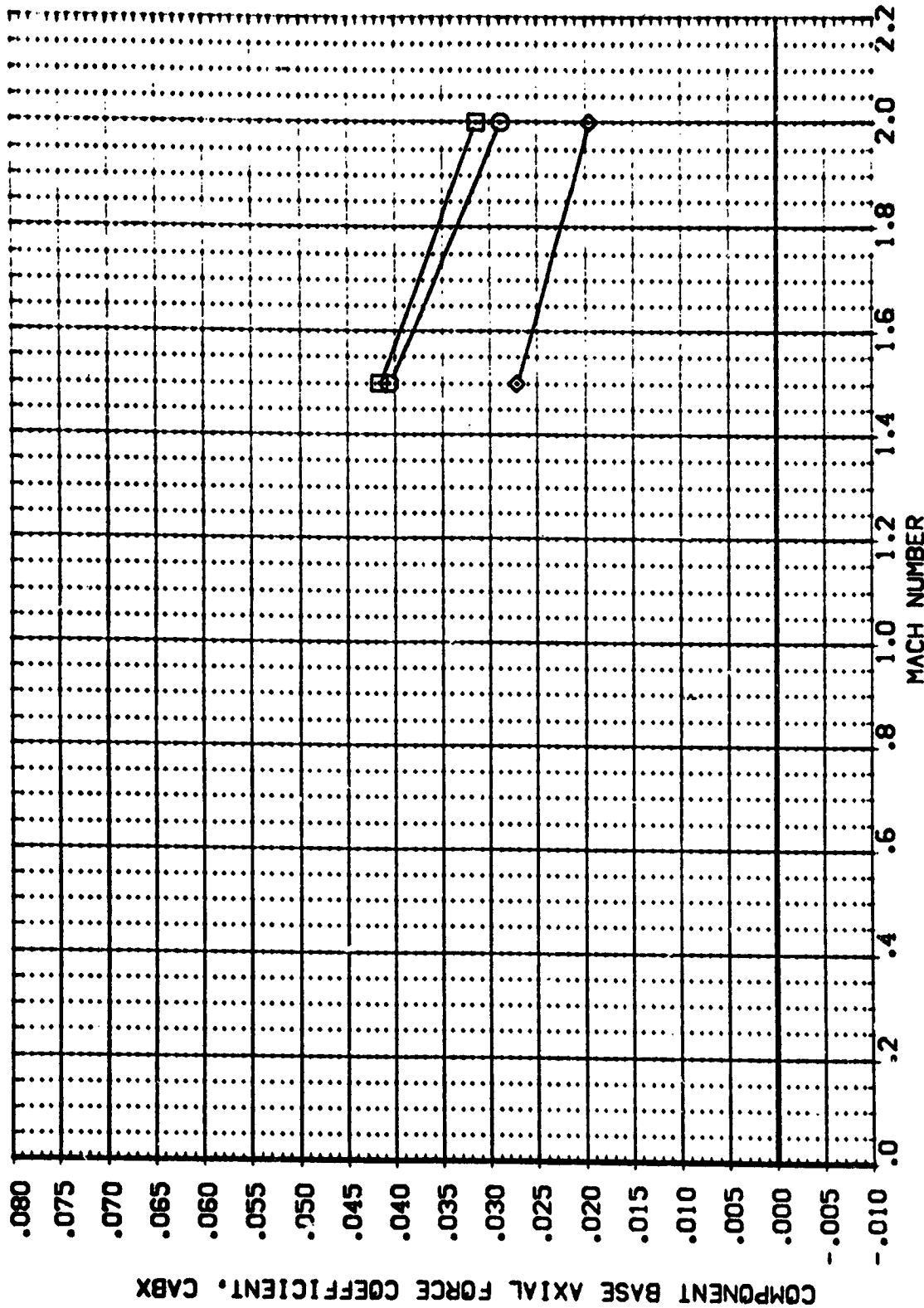


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4011)

IA68 C1 F1 M1

REFERENCE INFORMATION
 SREF 2680.0000
 LREF 1378.3000
 BREF 1378.3000
 YMRP 1378.3000
 ZMRP 1378.3000
 SCALE 10000

PARAMETRIC VALUES
 ALPHA .000 BETA .000

DATA
 CABO
 CABT
 CABX

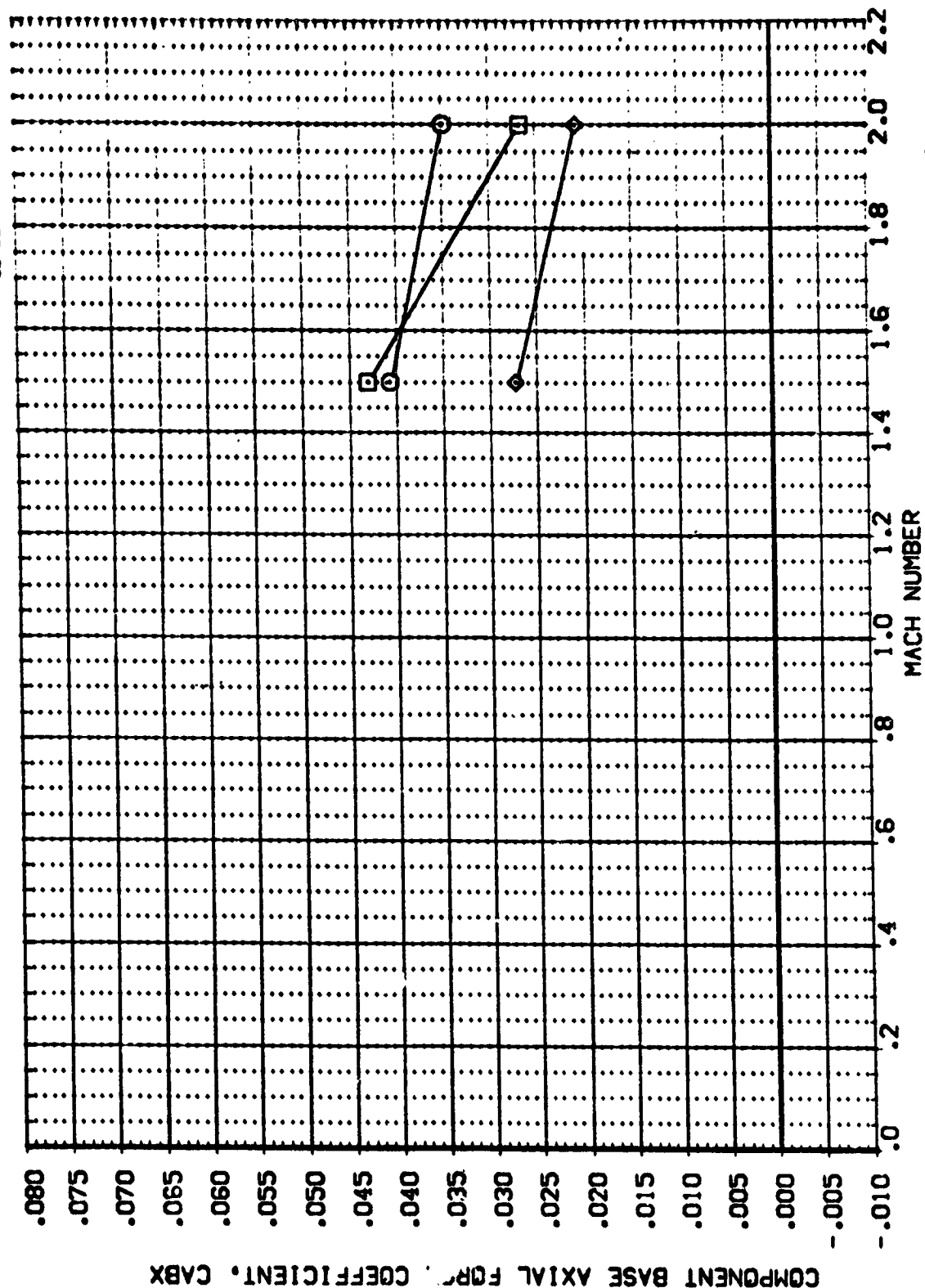


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF4011)

IA68 C1 F1 M:

PARAMETRIC VALUES
ALPHA 2.000 BETA .000

SYMBOL DATA
CABO
CABT
CABS

REFERENCE INFORMATION
SREF 2690.0000
LREF 1328.3000
BREF 1328.3000
XREF 1328.3000
YREF 1328.3000
ZREF 1328.3000
SCALE .0040

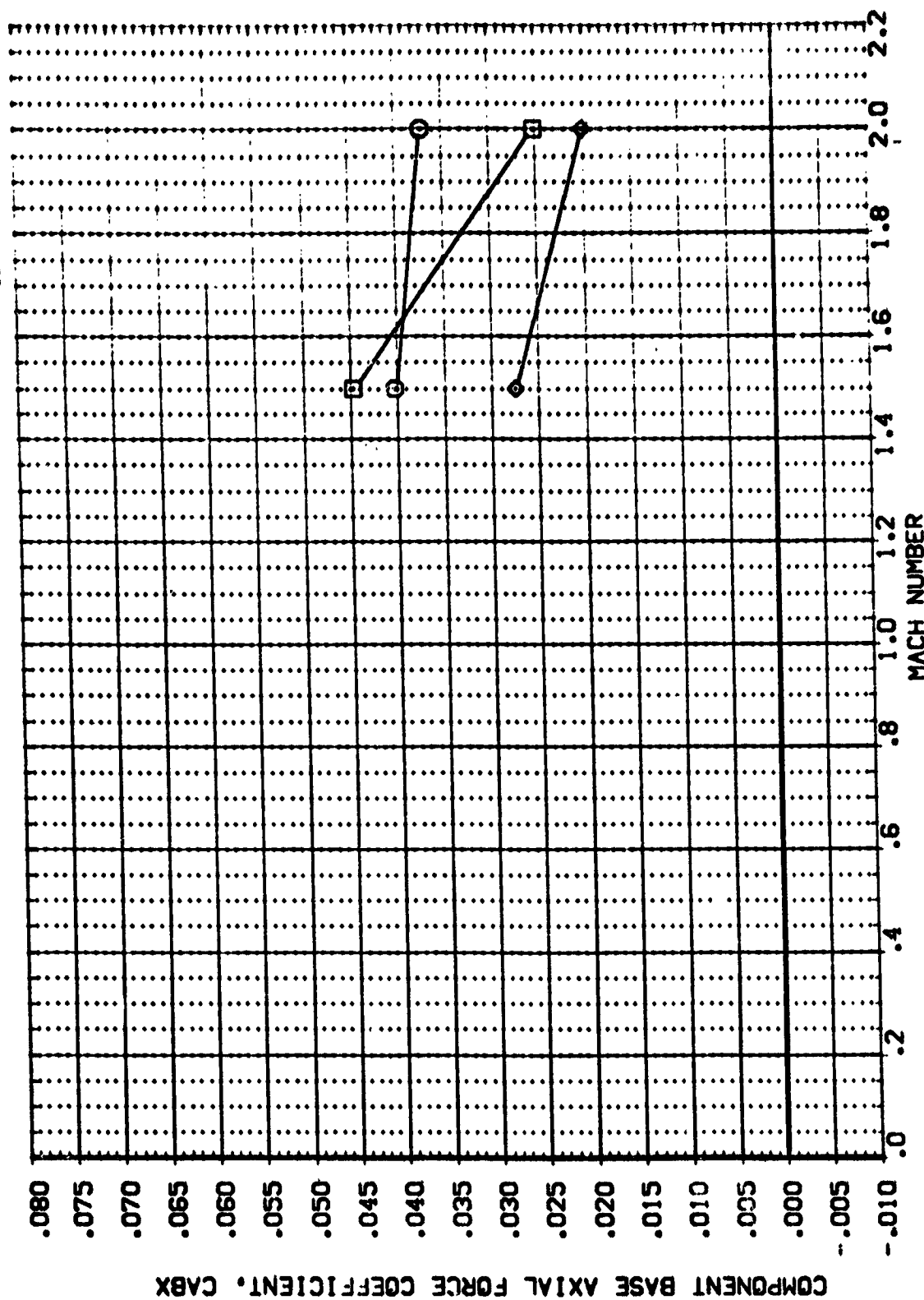


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS

(AF40:2)

IA68 C1 F1 M2

SYMBOL DATA ALPHA PARAMETRIC VALUES .000 BETA .000

□ CABO CABT CAB5

REFERENCE INFORMATION

7690.0000 7690.0000 7690.0000

1372.0000 1372.0000 1372.0000

328.0000 328.0000 328.0000

SCALE

7690.0000 7690.0000 7690.0000

1372.0000 1372.0000 1372.0000

328.0000 328.0000 328.0000

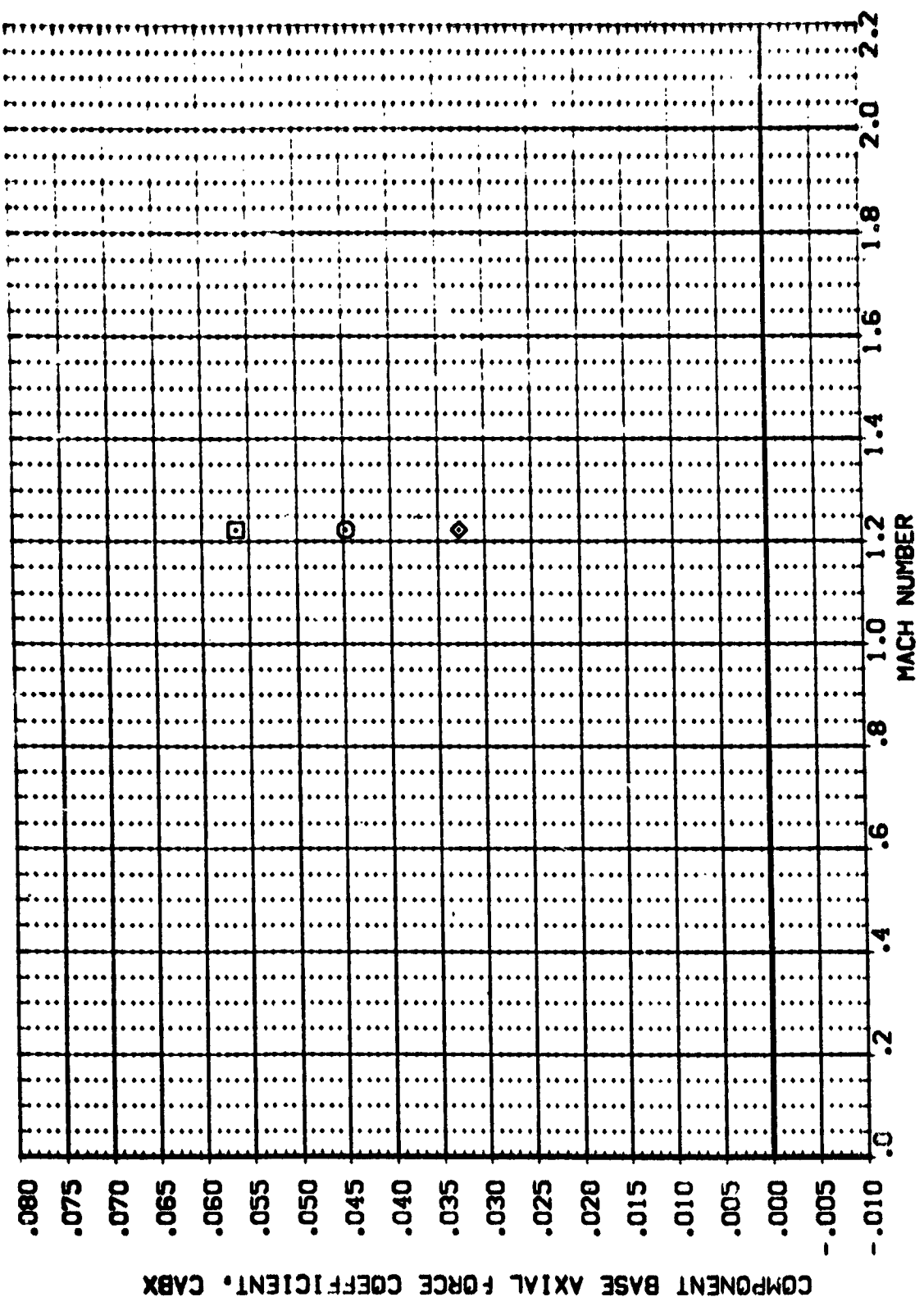


FIG 4 BASELINE CONFIGURATION BASE AXIAL FORCE COEFFICIENTS



DATA SET SYMBOL CONFIGURATION DESCRIPTION

| | | | | |
|---------|------|----|----|---------------|
| [D4004] | IAGB | C1 | F1 | M1 |
| [D4007] | IAGB | C1 | F1 | M2(11)-FILLET |
| [D4009] | IAGB | C1 | F1 | M3 M4 |
| [D4011] | IAGB | C1 | F1 | M1 |

BETA
.000
.000
.000

REFERENCE INFORMATION
SREF 2000.0000 SQ.FT.
LREF 328.0000
BREF 328.0000
YREF 328.0000
ZREF 328.0000
SCALE 1.0000

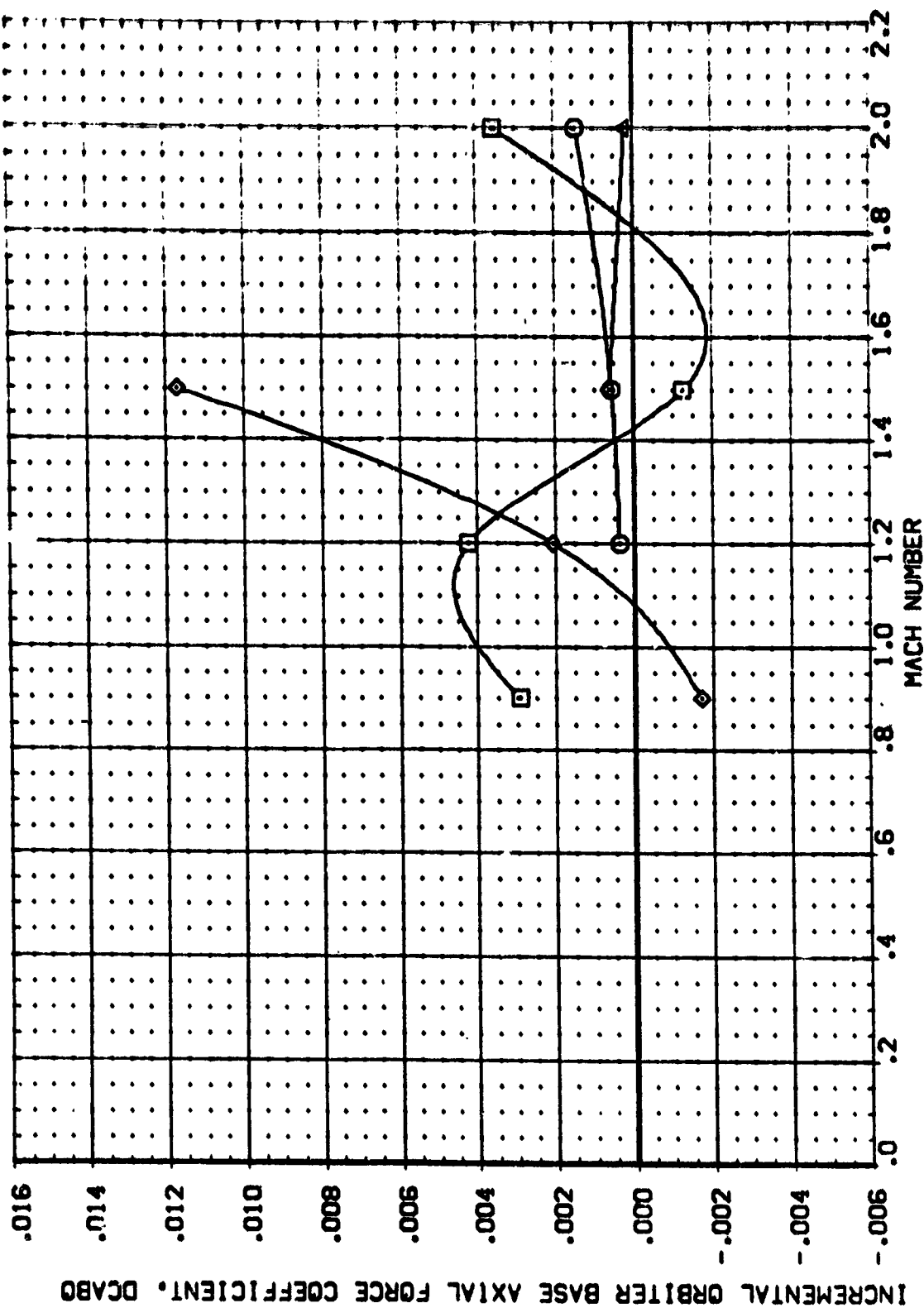


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

CALC_P-HA = -4.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[DF1004] [A68 C1 F1 M1]

[DF1007] [A68 C1 F1 M2(1)-FILLET]

[DF1009] [A68 C1 F1 M3 M4]

[DF1011] [A68 C1 F1 M1]

BETA

.000

.000

.000

.000

REFERENCE INFORMATION

SREF 2850.0000 SC.FT.

CREF 1378.0000

BREF 1378.0000

XREF 1378.0000

YREF 1378.0000

ZREF 1378.0000

SCALE 1378.0000

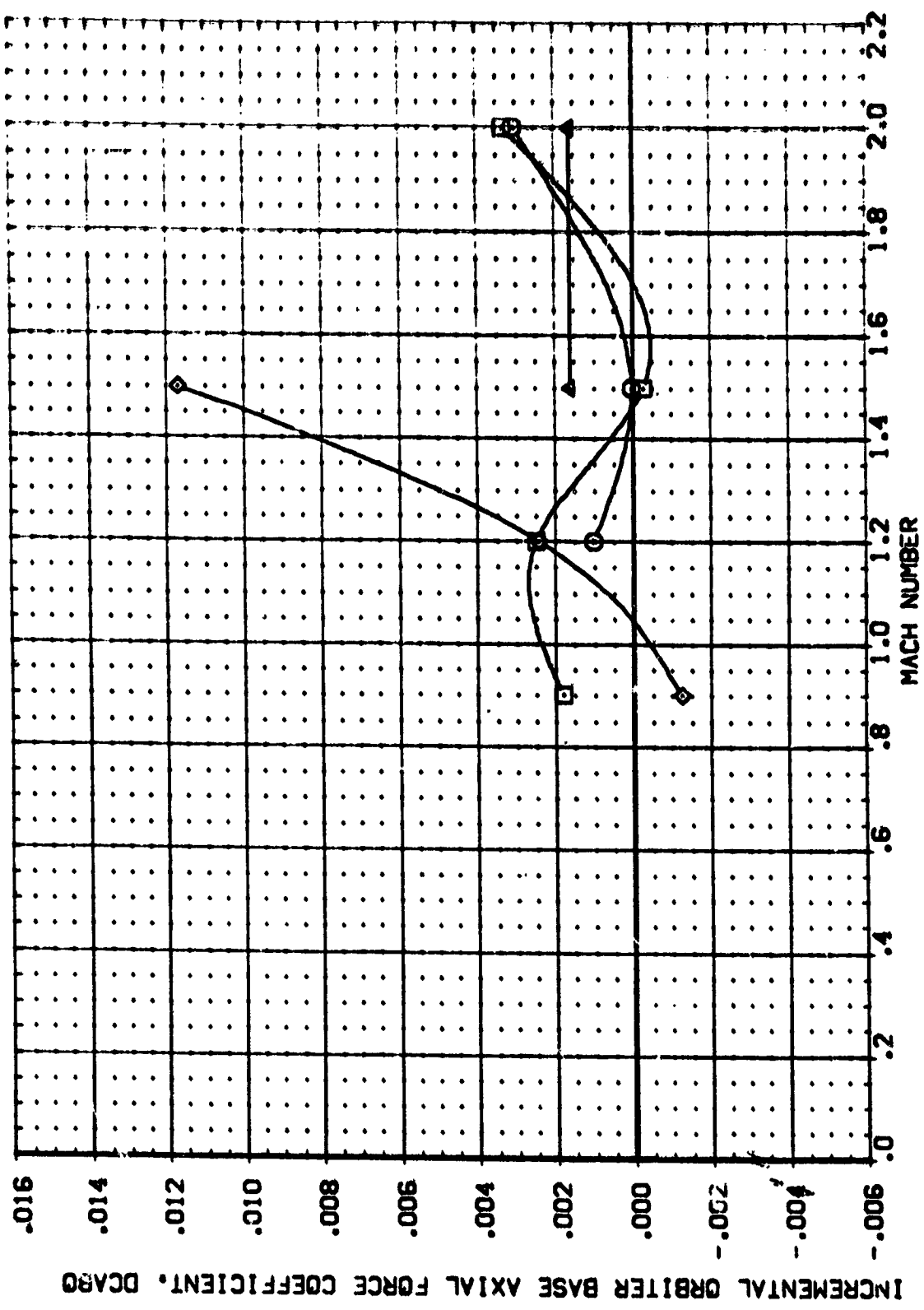


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(B) ALPHA = -2.00



DATA SET SYMB. CONFIGURATION DESCRIPTION
 [DF4004] [A68 C1 F1 M1] P2(1) + FILLET
 [DF4007] [A68 C1 F1 M1] P3 M4
 [DF4009] [A68 C1 F1 M1]
 [DF4011] [A68 C1 F1 M1]

BETA
 .000
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 2500 1000
 XREF 1000 1000
 YREF 1000 1000
 XPROP 1000 1000
 YPROP 1000 1000
 ZPROP 1000 1000
 SCALE 1000

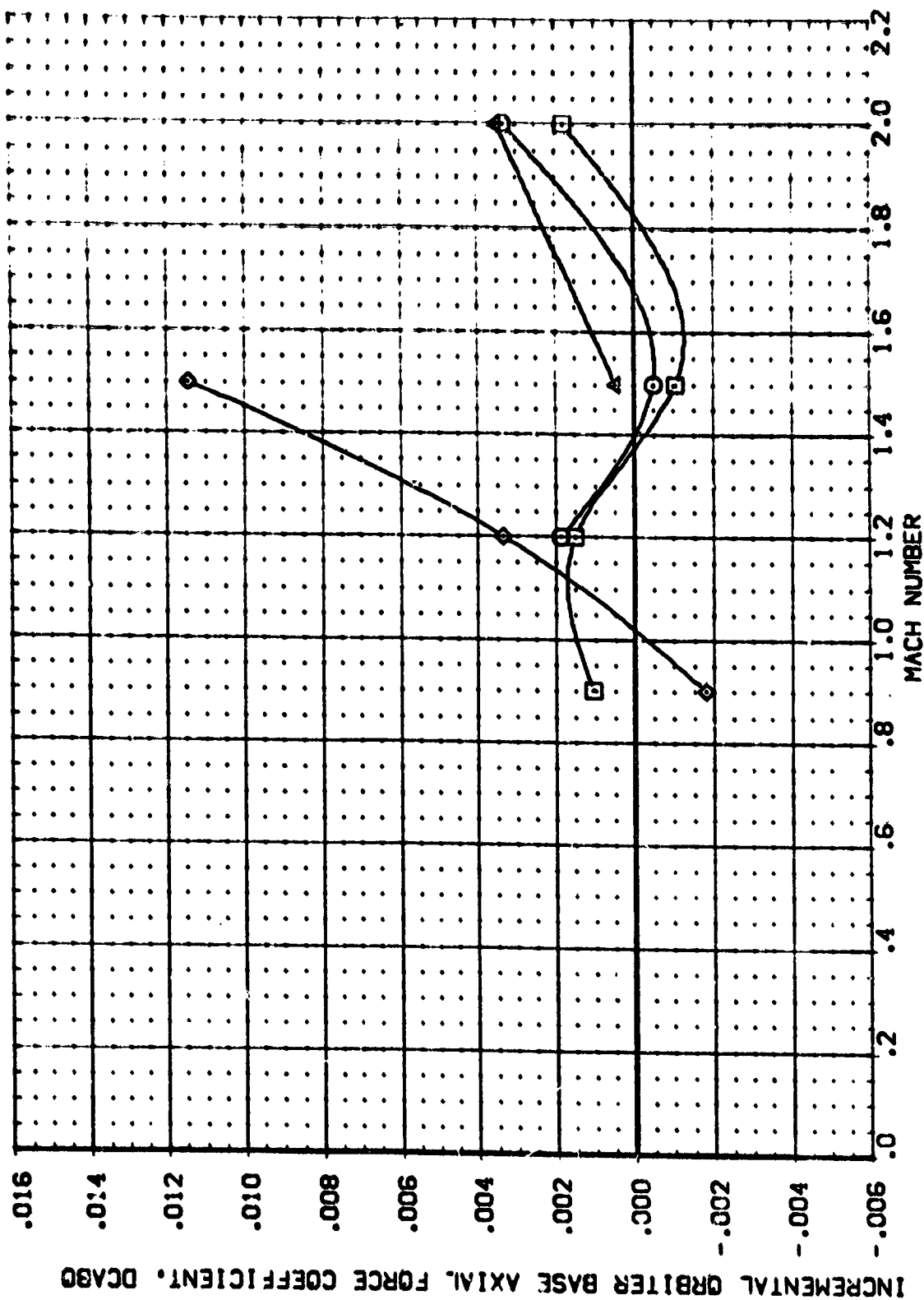


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

COALPHA = .00

| DATA SET SYMBOL | CONFIGURATION | DESCRIPTION |
|-----------------|---------------|---------------|
| [54004] | Q | 1A88 C1 F1 M1 |
| [54007] | Q | 1A88 C1 F1 M1 |
| [54009] | Q | 1A88 C1 F1 M1 |
| [54010] | Q | 1A88 C1 F1 M1 |

BEA

REFERENCE INFORMATION

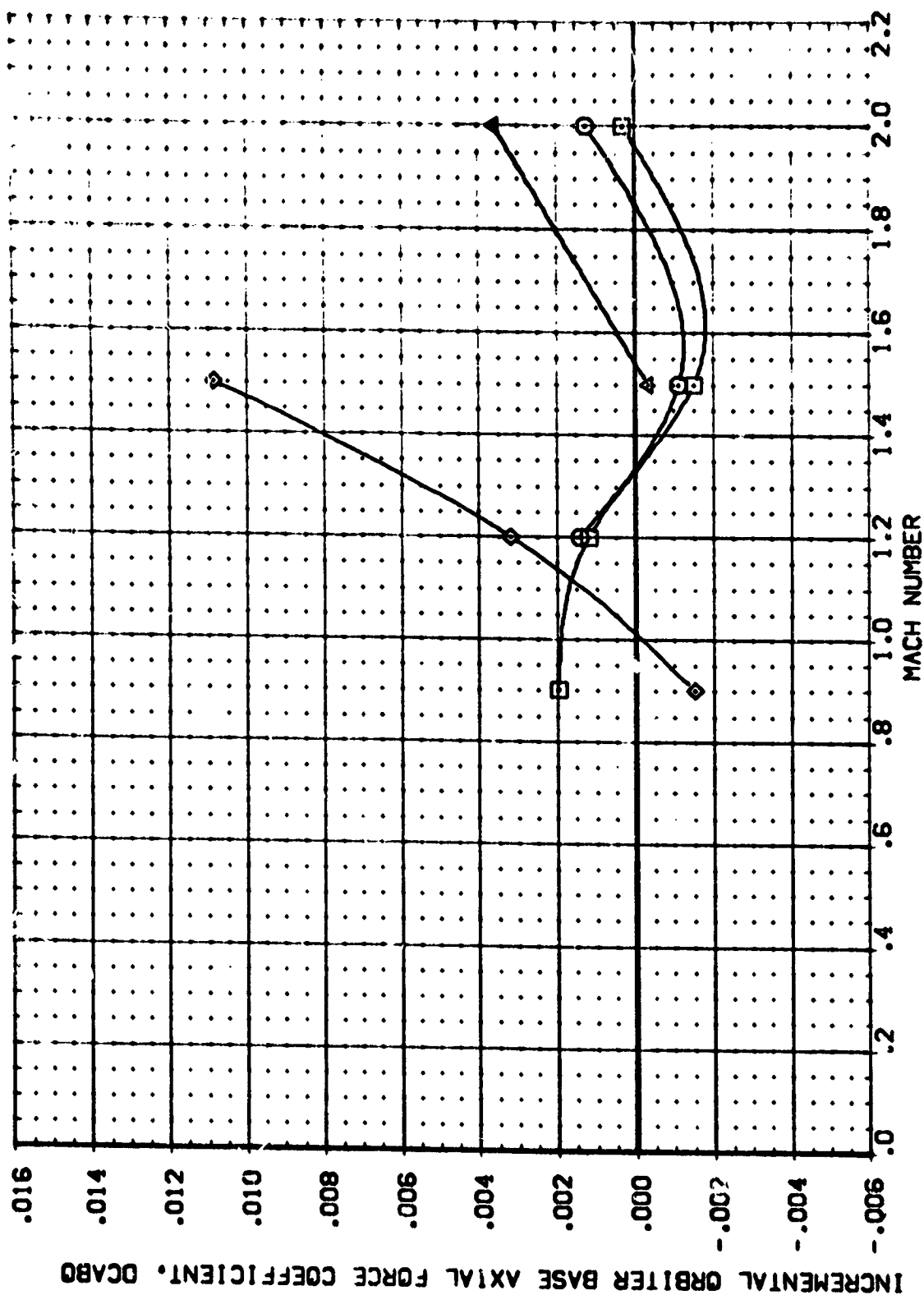


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

$$[C]_{ALP-A} = 2.00$$

PAGE 52

REFERENCE INFORMATION
 SREF 2690.0000 SC.F.
 REF 1328.3000
 SREF 1328.3000
 XREF 3000
 YREF 3000
 ZREF 3000
 SCALE 0040

BETA
 .000
 .000
 .000
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [D54004] [A68 C] [F] [M]
 [D54007] [A68 C] [F] [M2(1)-FILLET
 [D54009] [A68 C] [F] [M3 M]
 [D54011] [A68 C] [F] [M]

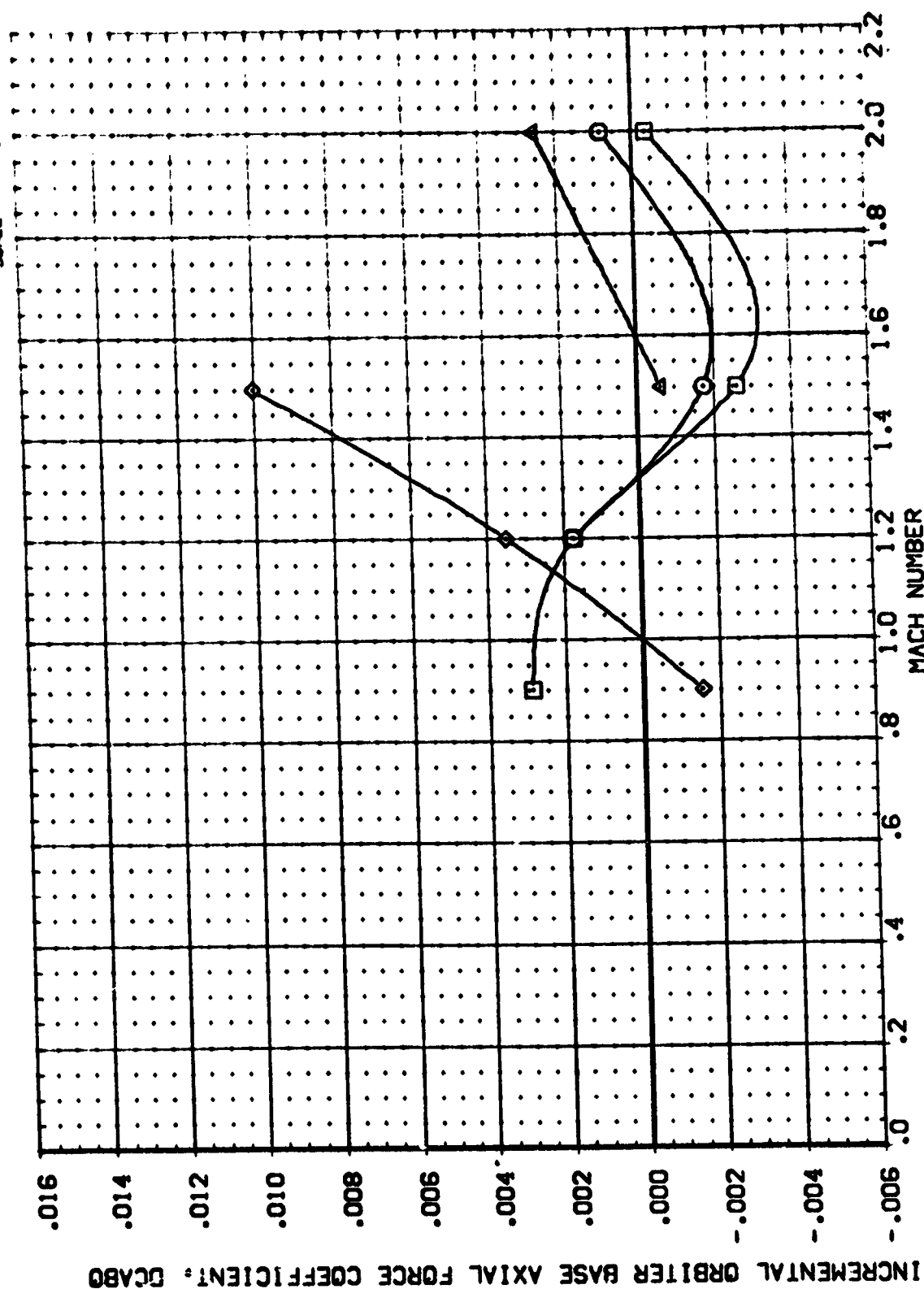


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(E)ALPHA = 4.00



DATA SET SYMB. CONFIGURATION DESCRIPTION
[DF4004] [A68 C1 F1 M1]
[DF4007] [A68 C1 F1 M2(1)+FILLET]
[DF4008] [A68 C1 F1 M3 M4]
[DF4011] [A68 C1 F1 M1]

BETA
.000
.000
.000
.000

REFERENCE INFORMATION
SREF 2680.0000 SQ.F.
REF 1378.0000 IN.
BREF 1378.0000
XPRD 1378.0000
YPRD 1378.0000
ZPRD 1378.0000
SCALE .0010

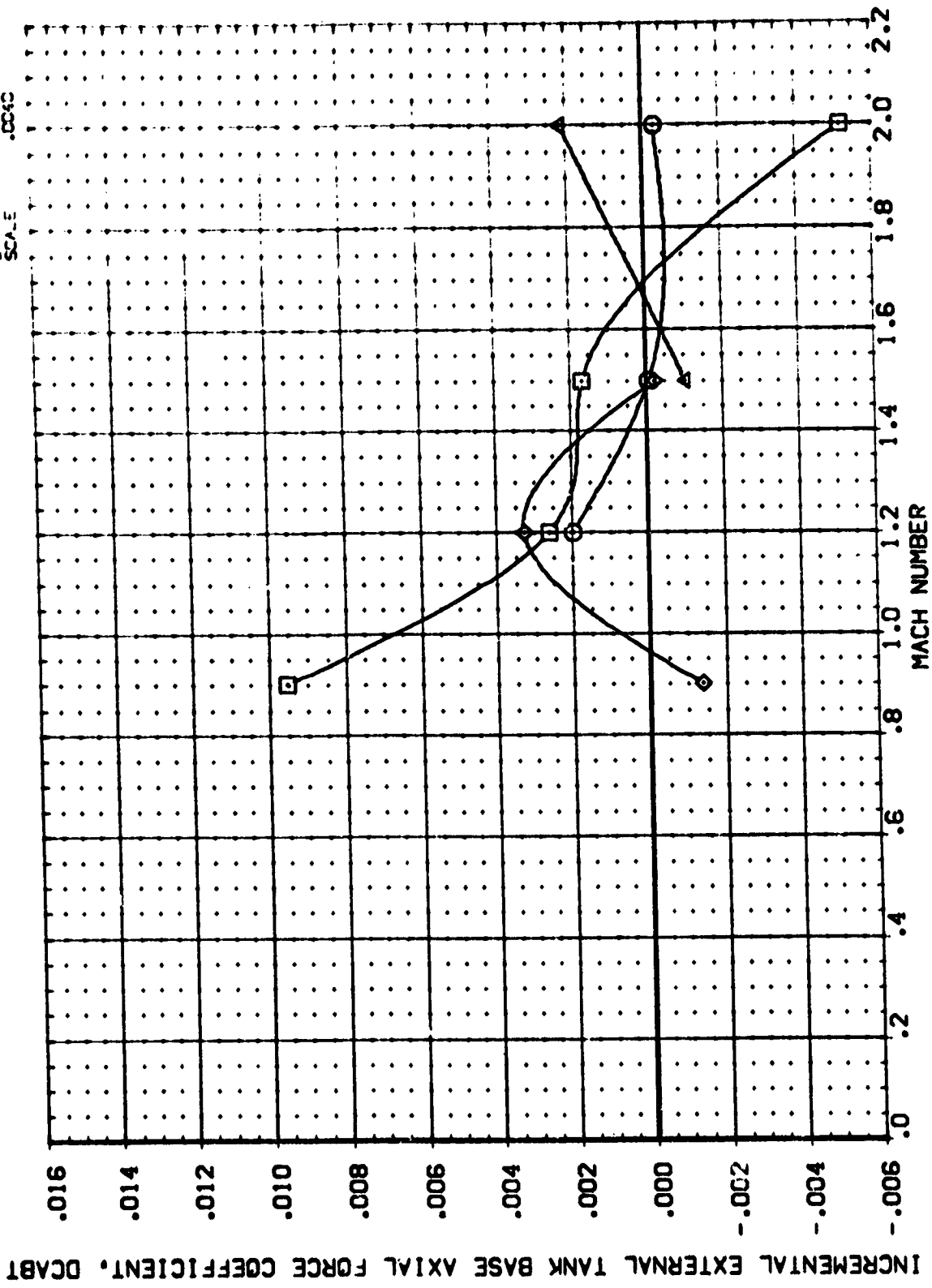


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(A) ALPHA = -4.00

REFERENCE INFORMATION
 SREF 7680.0000 SQ.FT.
 LREF 1328.3000 IN.
 BREF 1328.3000 IN.
 XMRP 0.0000
 YMRP 0.0000
 ZMRP 0.0000
 SCALE 0.0010

BETA
 .000
 .000
 .000
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [D4004] [A68 C1 F1 M1]
 [D4007] [A68 C1 F1 M2(1)+FILLET]
 [D4009] [A68 C1 F1 M3 M4]
 [D4011] [A68 C1 F1 M1]

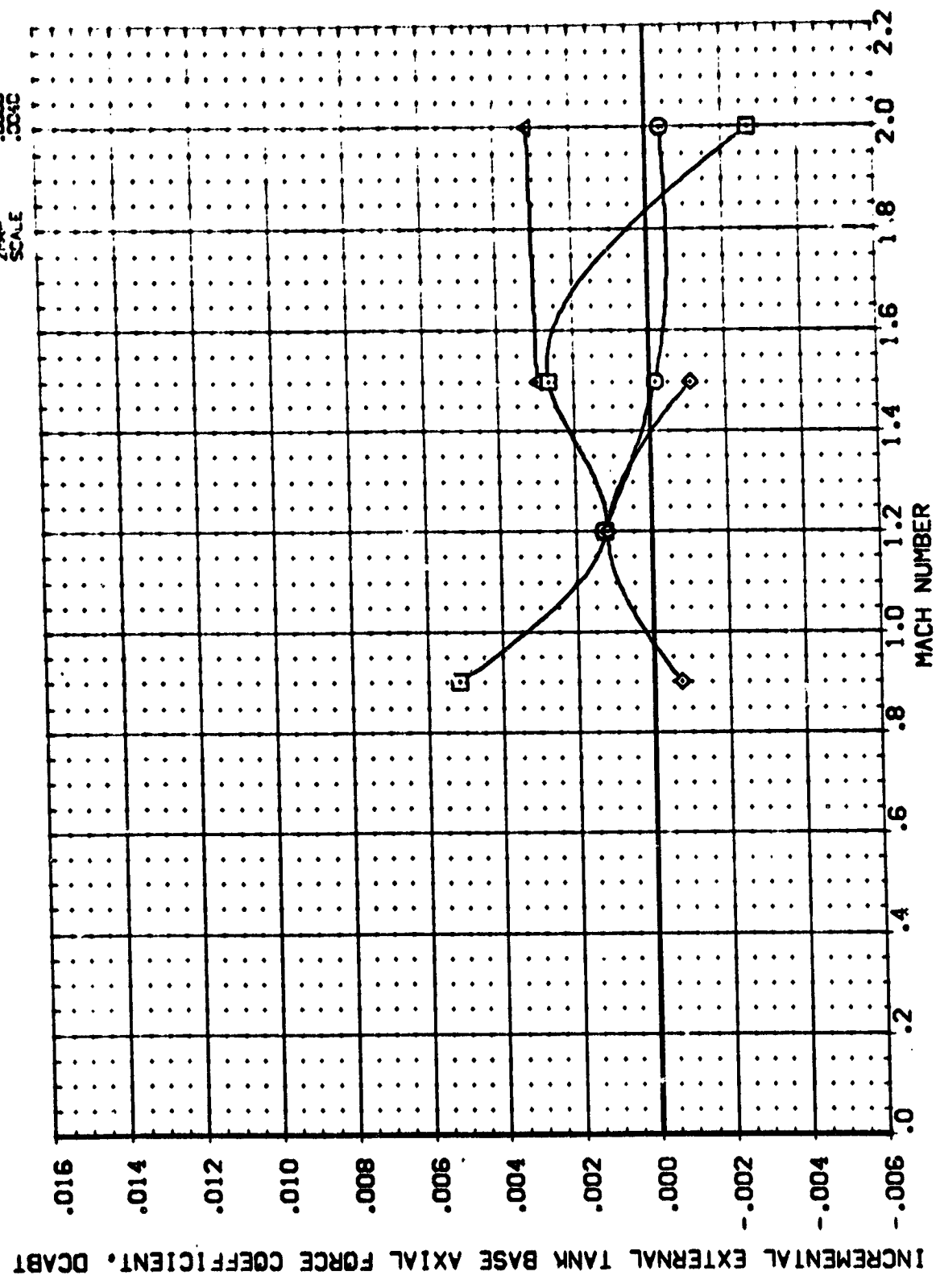


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

BALPHA = -2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [D4004] [A68 C1 F1 M1]
 [D4007] [A68 C1 F1 M2(1)+FILLET]
 [D4009] [A68 C1 F1 M3 M4]
 [D4011] [A68 C1 F1 M1]

BETA
 .000
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 XREF :328.3000
 YREF :328.3000
 XMRD :328.3000
 YMRD :328.3000
 ZMRD :328.3000
 SCALE :0.040

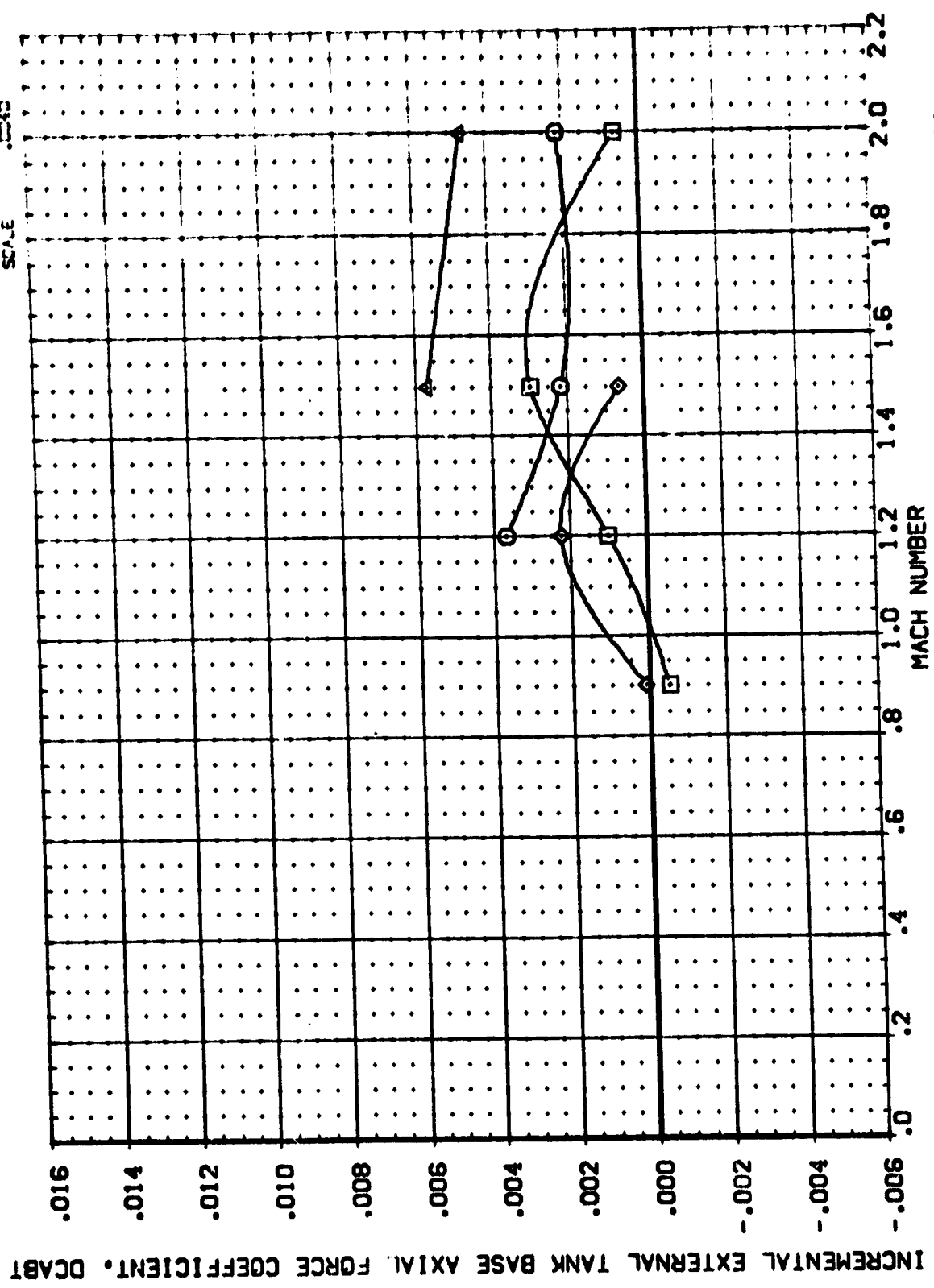


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS
 (C)ALPHA = .00

REFERENCE INFORMATION
 SREF 2680.0000
 LREF 1378.0000
 BREF 1378.0000
 XGRP 1378.0000
 YGRP 1378.0000
 ZGRP 1378.0000
 SCALE 10000

BETA
 .000
 .000
 .000
 .000

DATA SET SYMBL. CONFIGURATION DESCRIPTION
 [DF4004] [A58 C1 F1 M1]
 [DF4007] [A58 C1 F1 M2(1)]+FILLET
 [DF4008] [A58 C1 F1 M3 M4]
 [DF4011] [A58 C1 F1 M1]

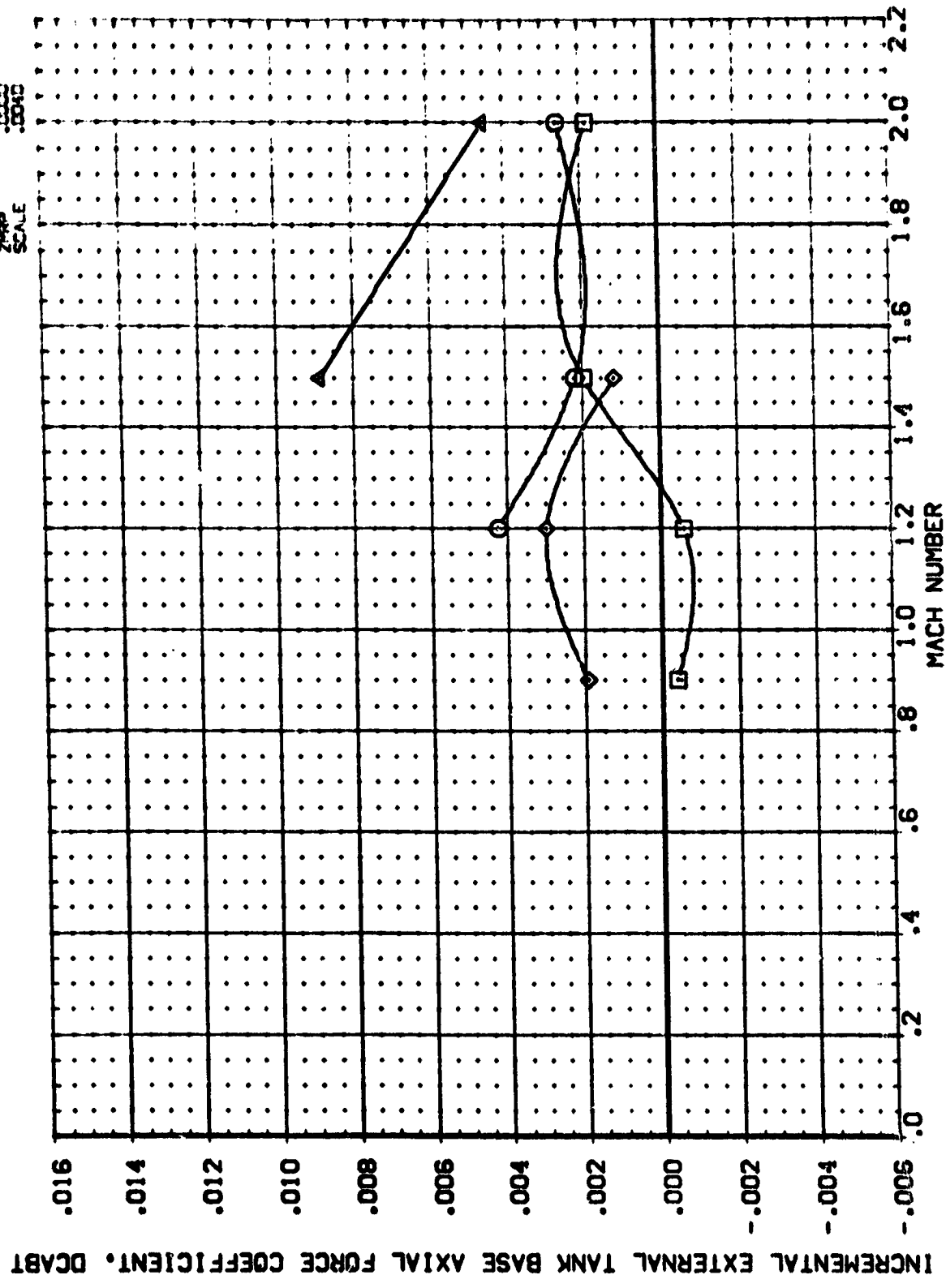


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

COALP-A = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [D4004] [A58 C] F1 M1
 [D4007] [A58 C] F1 M2(1)+FILLET
 [D4009] [A58 C] F1 M3 M4
 [D4011] [A58 C] F1 M1

BETA
 .000
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF .328 IN.
 BREF .328 IN.
 XREF .0000
 YREF .0000
 ZREF .0000
 SCALE .0001

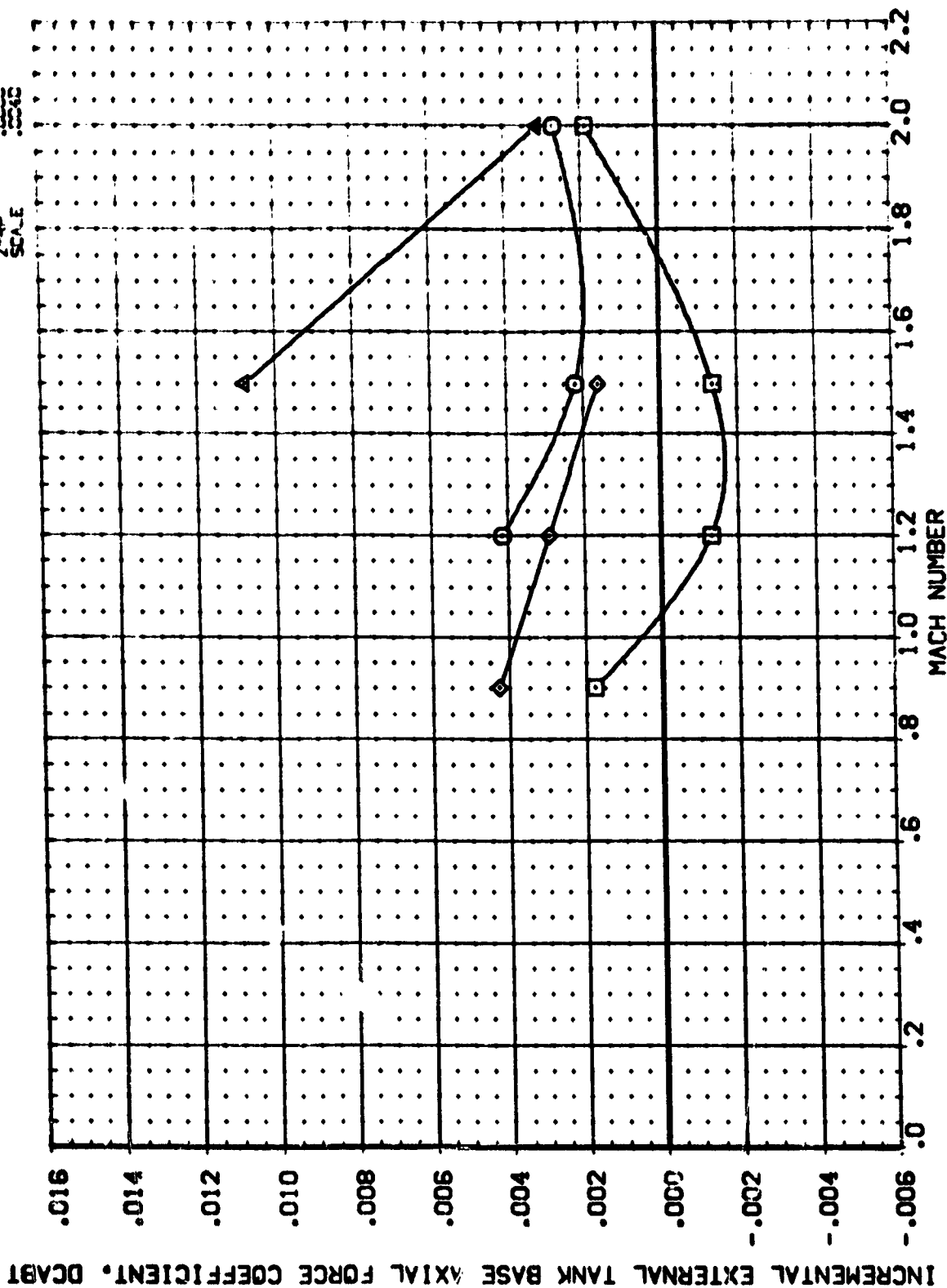


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(E)ALPHA = 4.00



DATA SET STR60
 [DF4004] IASB C1 F1 M1
 [DF4007] IASB C1 F1 M2(1)+FILLET
 [DF4009] IASB C1 F1 M3 M4
 [DF4011] IASB C1 F1 M1

REFERENCE INFORMATION
 SREF 7680.0000 SQ.FT.
 LREF 1328.0000 IN.
 XMRP 1328.0000
 YMRP 10000.0000
 ZMRP 10000.0000
 SCALE 10000

BETA .000
.000
.000

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

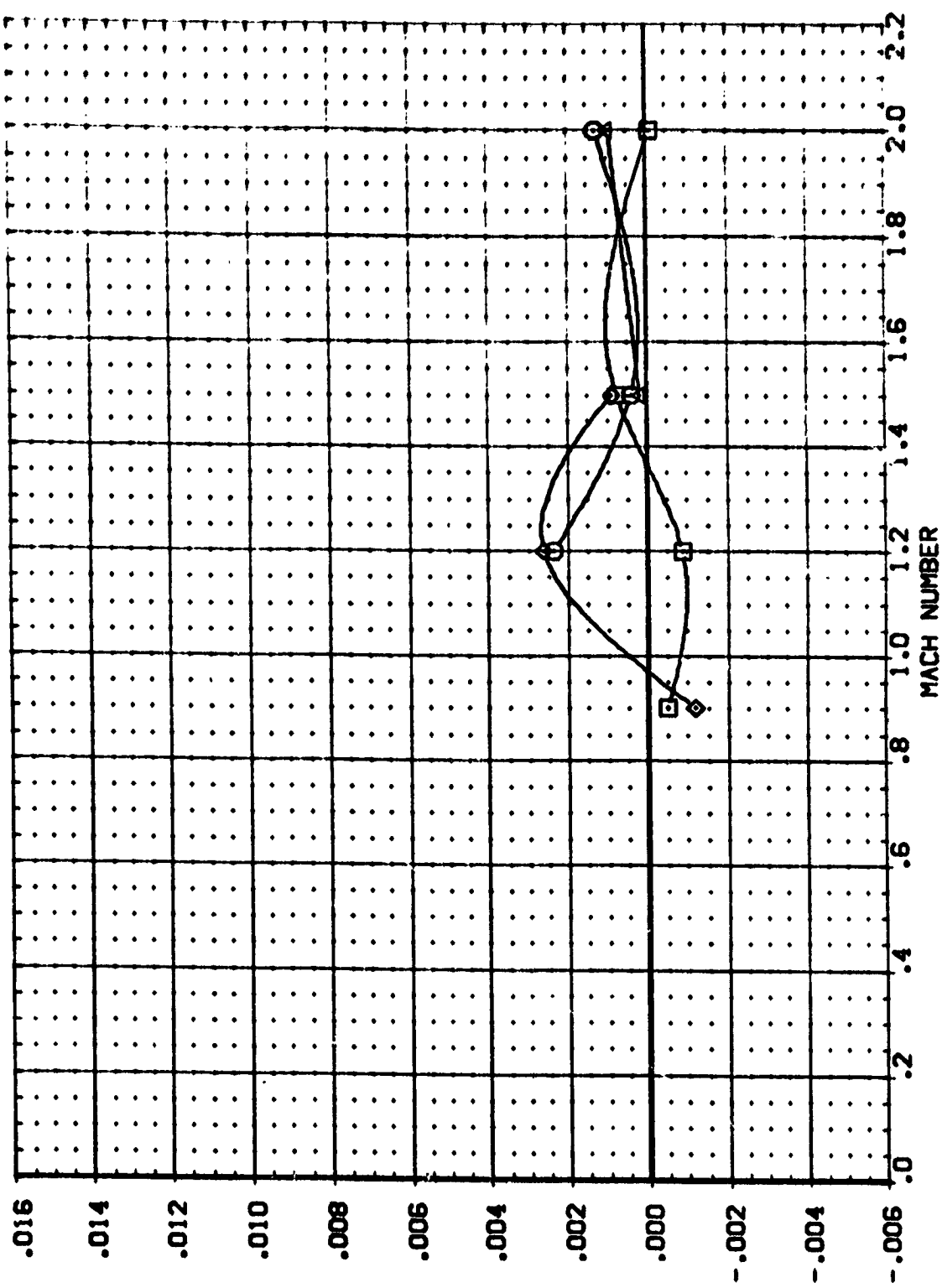


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(Δ)ALPHA = -4.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

| | | | | |
|---------|-------|-----|-----|-----|
| [D4004] | [AGB] | [C] | [F] | [M] |
| [D4007] | [AGB] | [C] | [F] | [M] |
| [D4009] | [AGB] | [C] | [F] | [M] |
| [D4011] | [AGB] | [C] | [F] | [M] |

BETA

| |
|------|
| .000 |
| .000 |
| .000 |
| .000 |

REFERENCE INFORMATION

| | | |
|-------|------------|-------|
| SREF | 2850.0000 | 50.00 |
| LREF | 378.0000 | 1.00 |
| BREF | 1328.0000 | 1.00 |
| YREF | 1000.0000 | 1.00 |
| ZREF | 1000.0000 | 1.00 |
| SCALE | 10000.0000 | 1.00 |

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

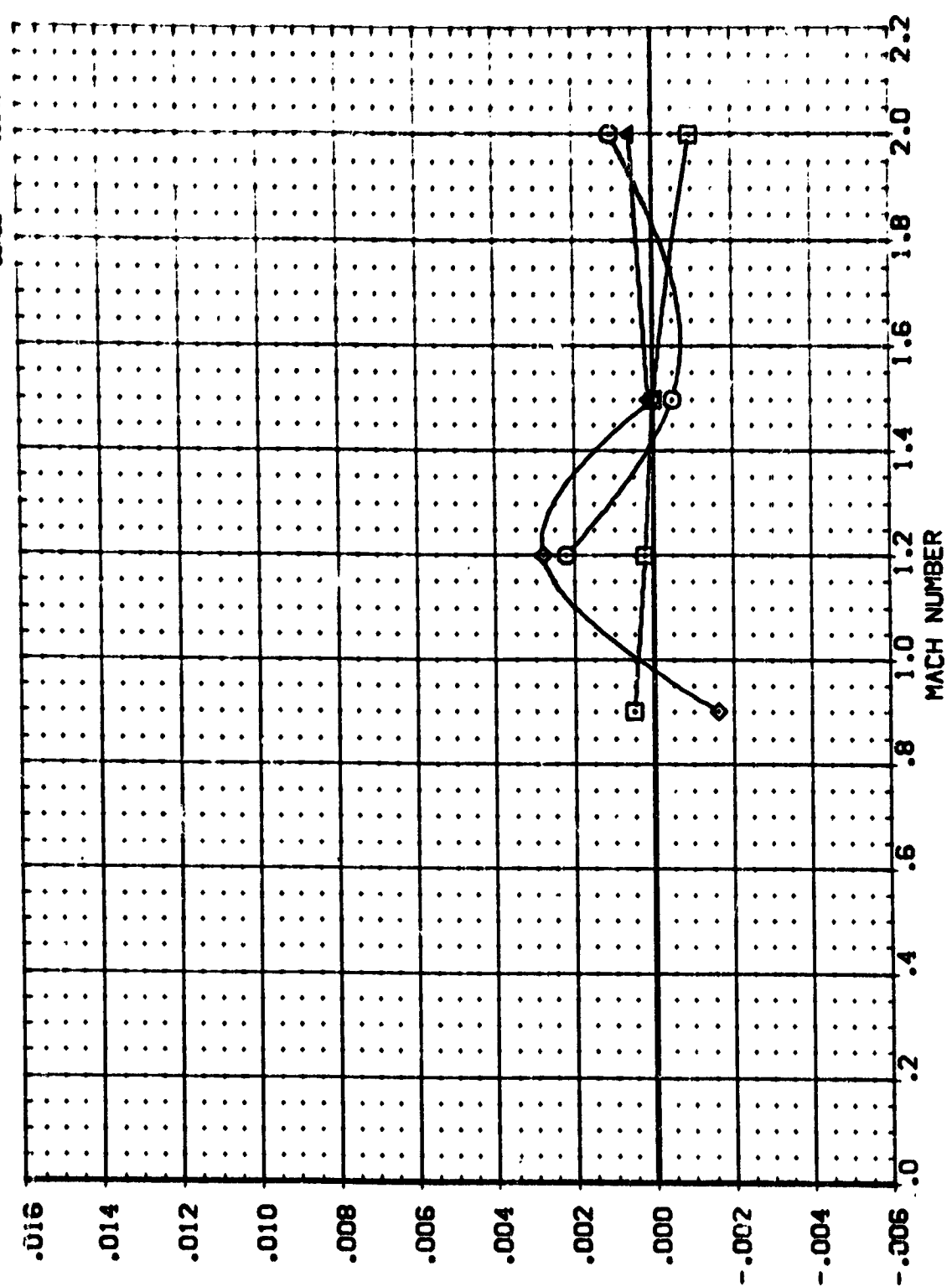


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(B) ALPHA = -2.00



REFERENCE INFORMATION
 REF 2690.0000 SQ. FT.
 REF 1378.0000 IN.
 REF 1378.0000 IN.
 XREF 0000
 YREF 0000
 ZREF 0000
 SCALE 1000

BETA
 .000
 .000
 .000

DATA SET SYMBL. CONFIGURATION DESCRIPTION
 [CF4004] [A88 C] [F] M1
 [CF4007] [A88 C] [F] M2(1)+FILLET
 [CF4008] [A88 C] [F] M3 M4
 [CF4011] [A88 C] [F] M1

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

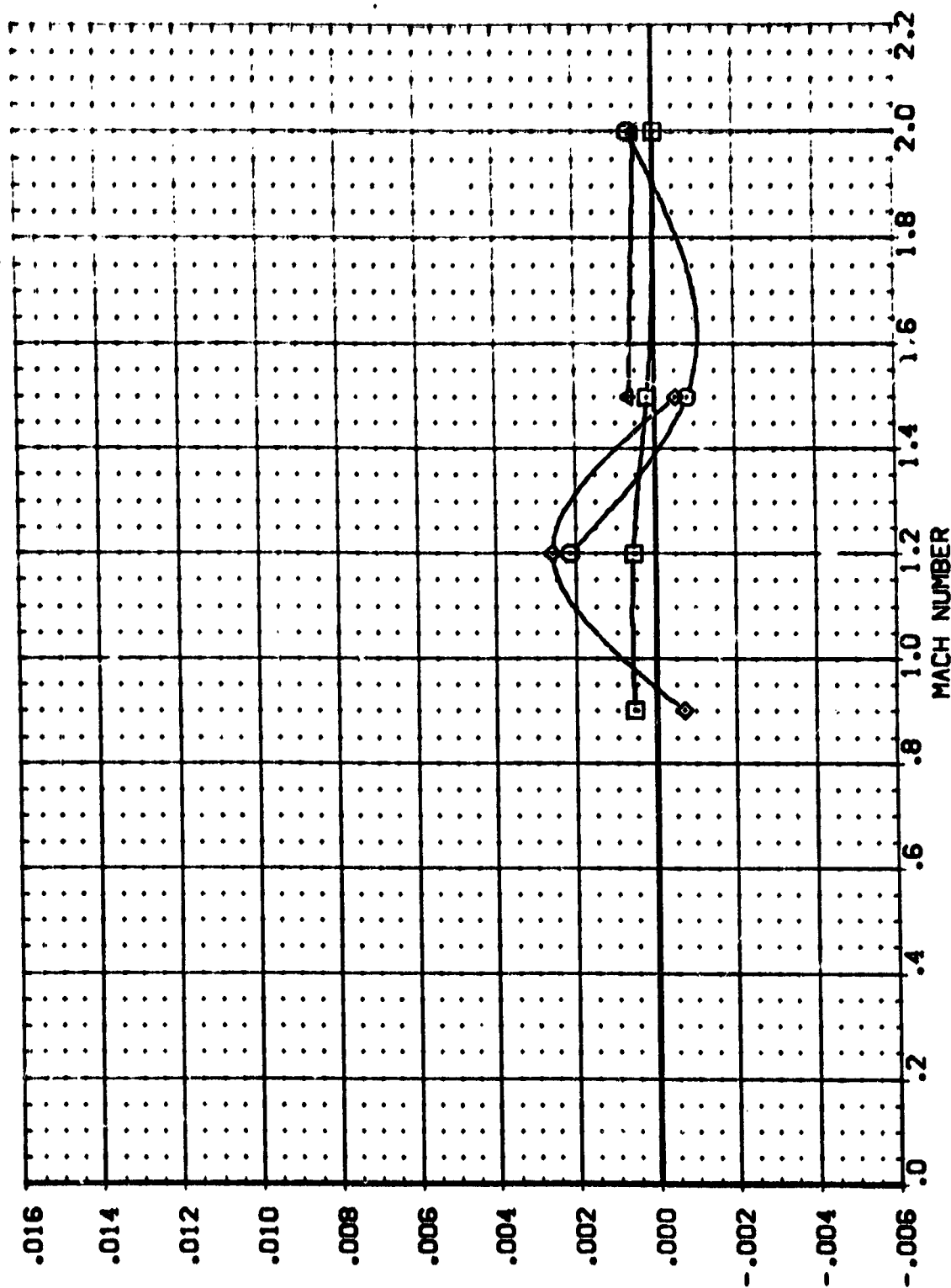


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

[C]ALP-A = .00

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [D4004] [AB8 C1 F1 M1]
 [D4007] [AB8 C1 F1 M2(1)+FILLET]
 [D4009] [AB8 C1 F1 M3 M4]
 [D4011] [AB8 C1 F1 M1]

BETA
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 2600.0000 SQ.FT.
 LREF 1300.0000 IN.
 XREF 1300.0000 IN.
 YREF 1300.0000 IN.
 ZREF 1300.0000 IN.
 SCALE 10000

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

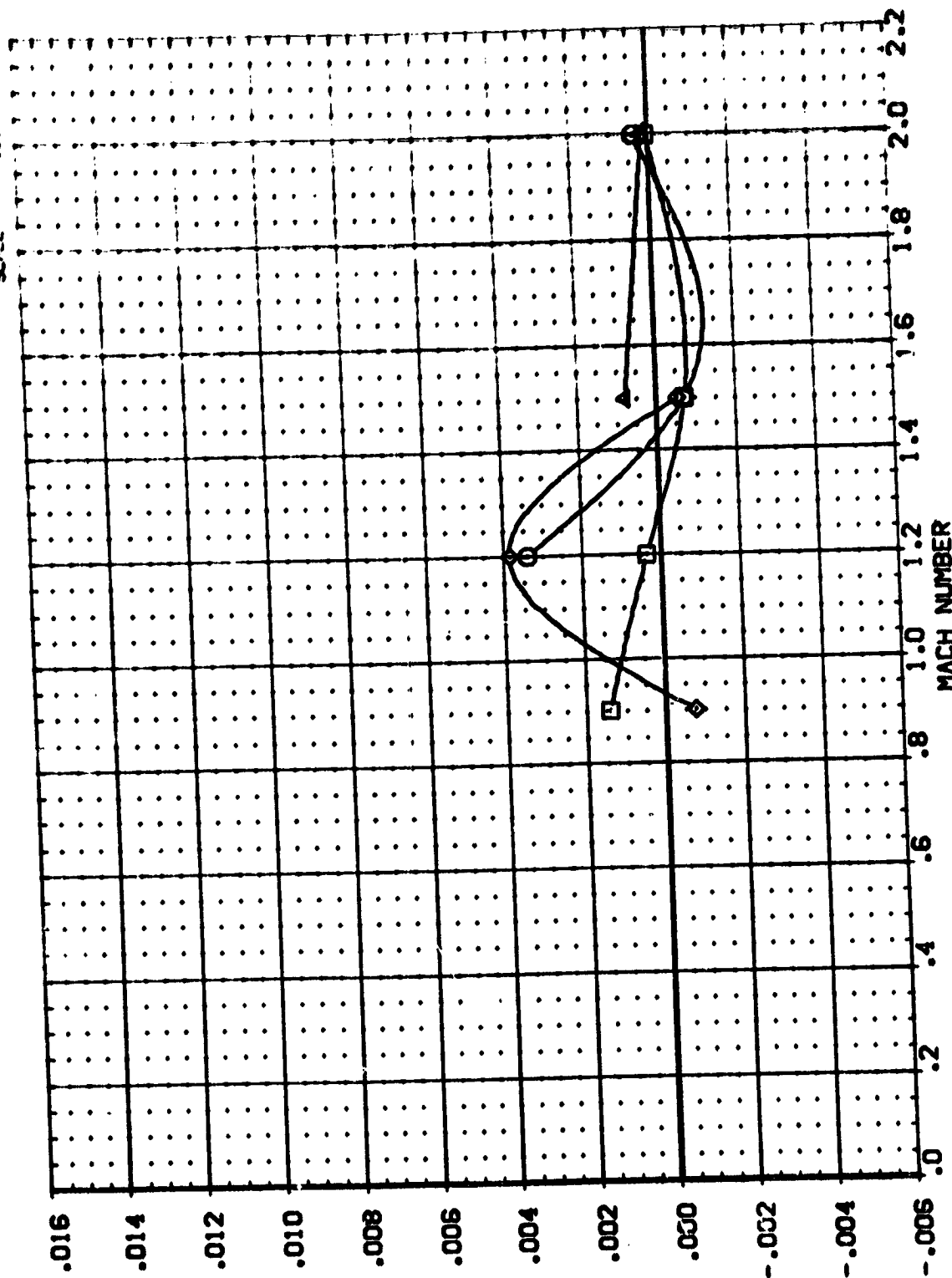


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

[D] ALPHA = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (S4004) IASB C1 F1 M1
 (S4007) IASB C1 F1 M2(1)+FILLET
 (S4009) IASB C1 F1 M3 M4
 (S4011) IASB C1 F1 M1

BETA
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 2000 1000 SQ.FT.
 LREF 1000 1000 IN.
 XREF 1000 1000 IN.
 YREF 1000 1000 IN.
 ZREF 1000 1000 IN.
 SCALE 1000

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

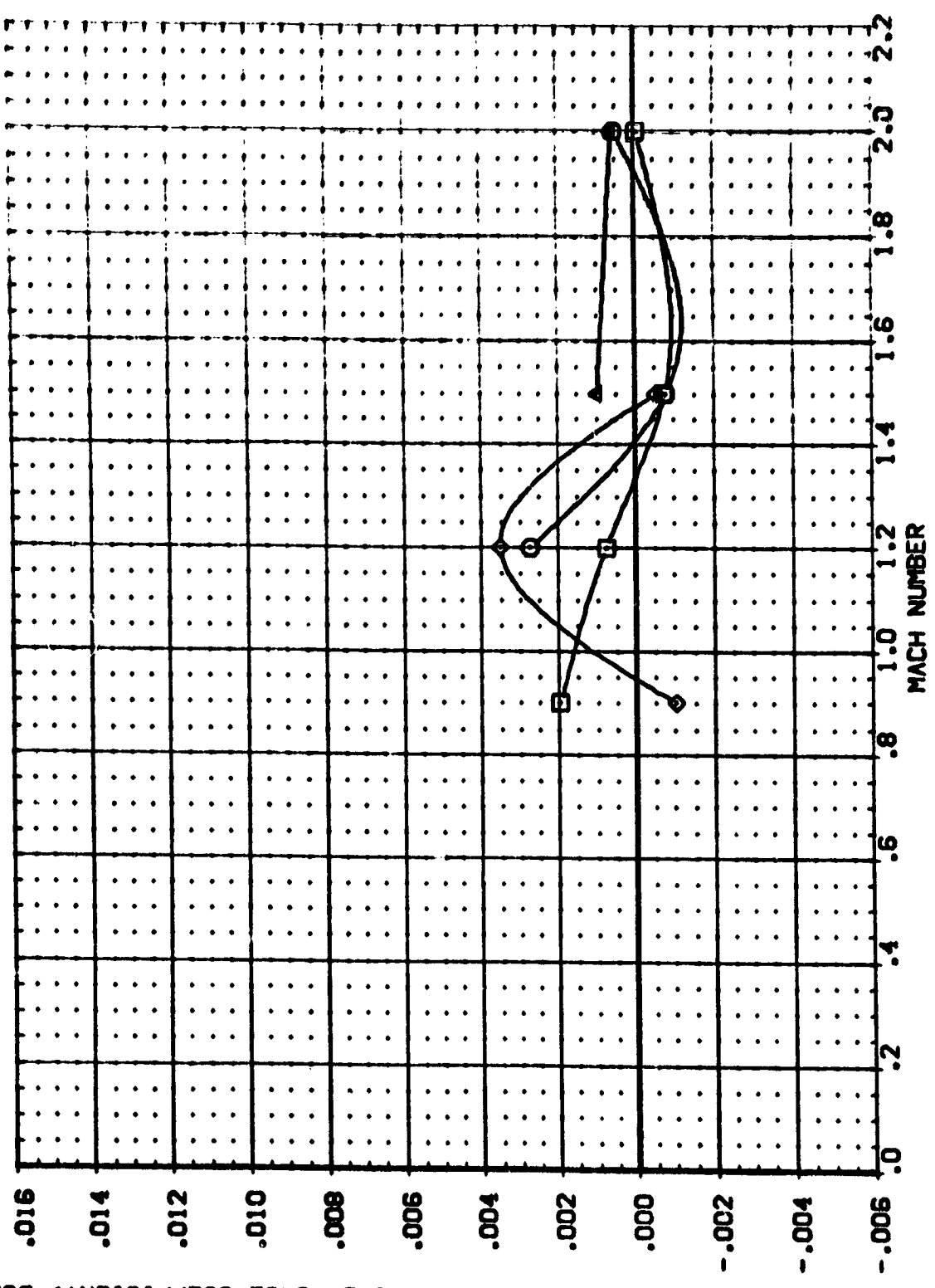


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - ALPHA SWEEPS

(E)ALPHA = 4.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [D4005] IAS8 C1 F1 M1
 [D4008] IAS8 C1 F1 M2(1)+FILLET
 [D4010] IAS8 C1 F1 M3 M4

ALPHA
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 2500 10000 SQ.FT.
 LREF 1200 2000 IN.
 BREF 1300 3000 IN.
 XPROP 10000
 YPROP 10000
 ZPROP 10000
 SCALE 10000

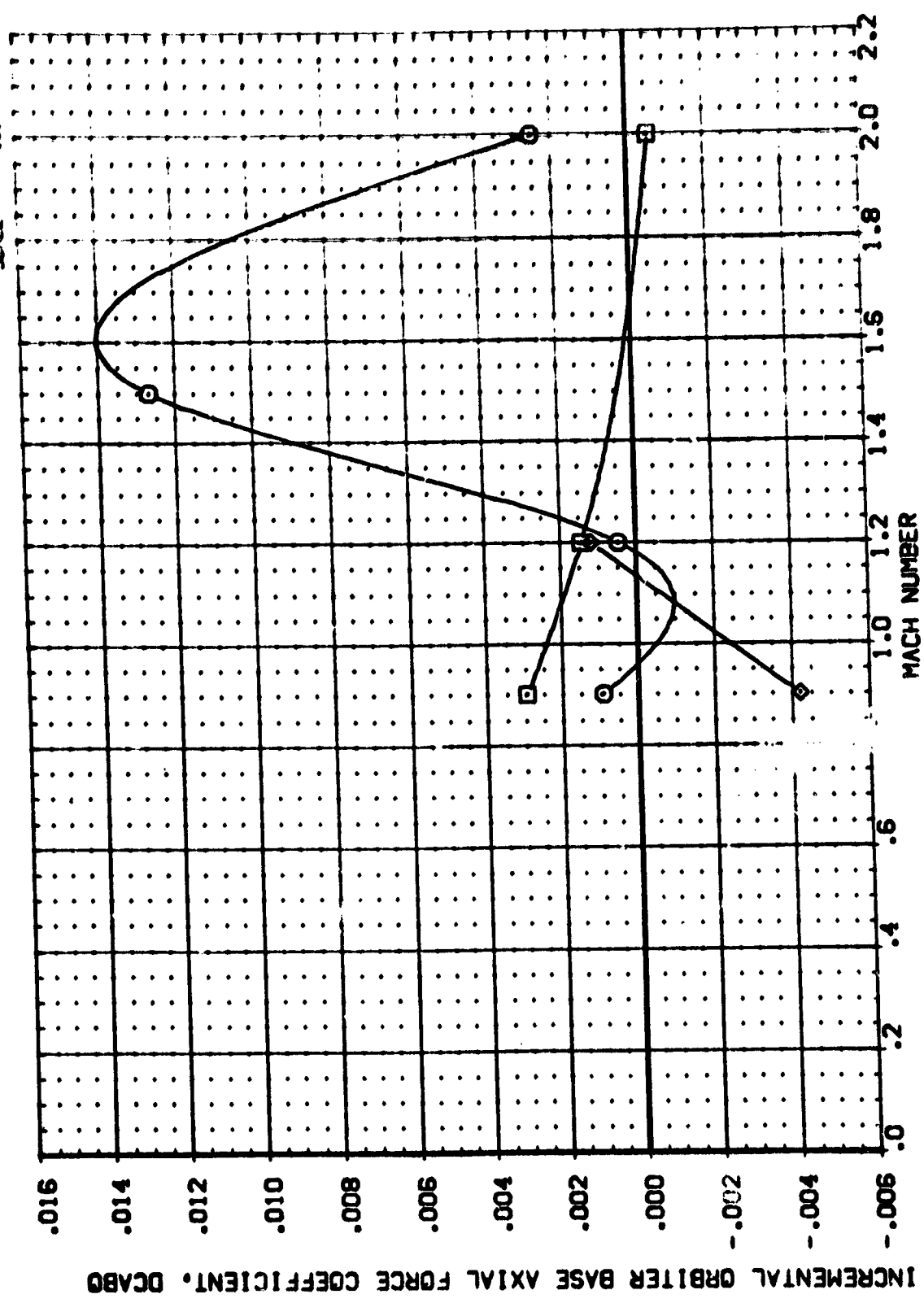


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS
 (A)BETA = -4.00 PAGE 64



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP .0000
 YMRP .0000
 ZMRP .0000
 SCALE .0010

ALPHA
 .000
 .000
 .000

DATA SET SYMB. CONFIGURATION DESCRIPTION
 [D'4005] 1A58 C1 F1 M1
 [D'4008] 1A58 C1 F1 M2(1)+FILLET
 [D'4010] 1A58 C1 F1 M3 M4

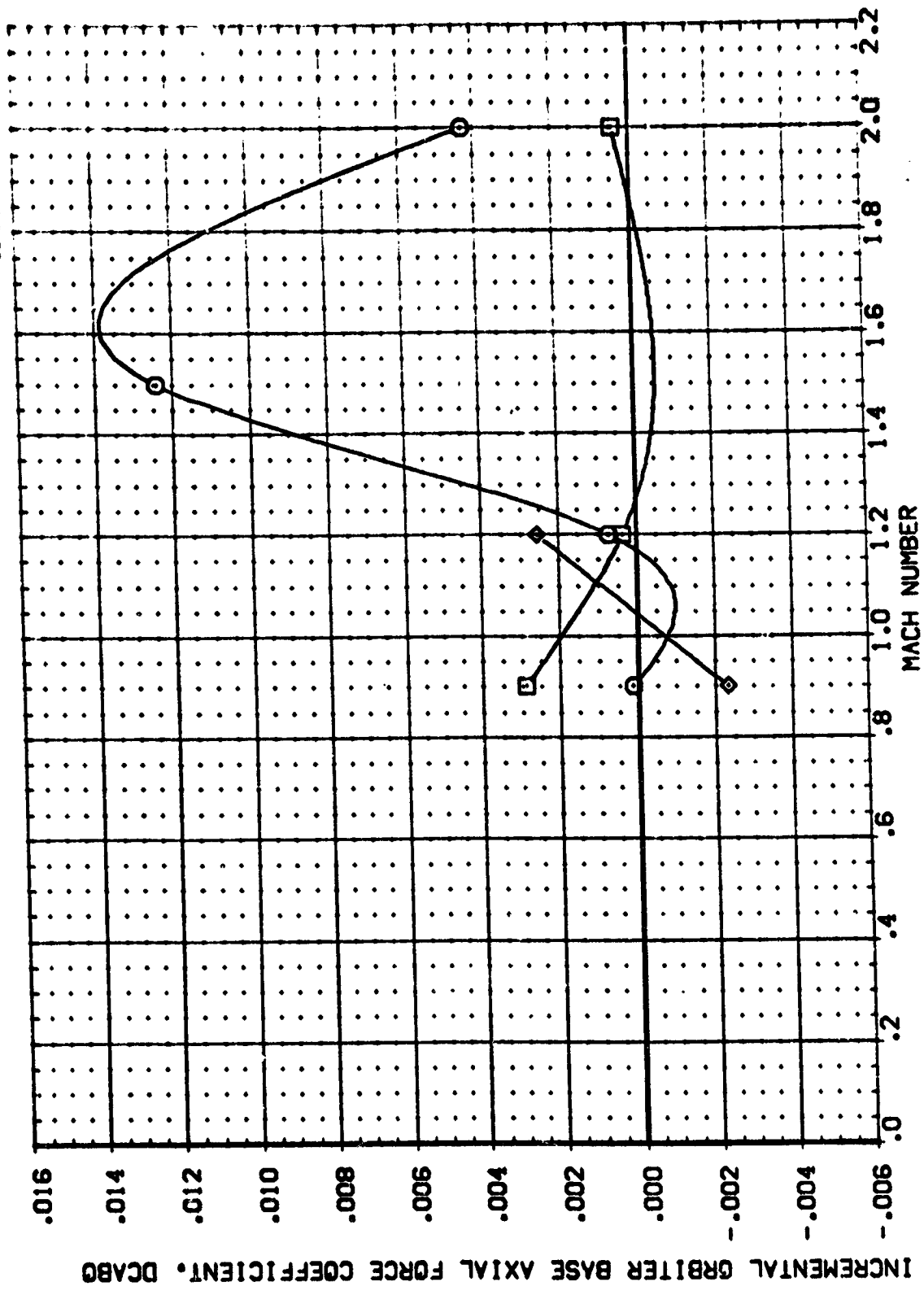


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(B)BETA = -2.00

DATA SET SYMBOL:  CONFIGURATION DESCRIPTION:
 [D'4005] [A58 C1 F1 M1]
 [D'4006] [A58 C1 F1 M2(1)+FILLET]
 [D'4010] [A58 C1 F1 M3 M4]

ALPHA
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1378.3000 IN.
 BREF 1328.3000 IN.
 XMRP .0000
 YMRP .0000
 ZMRP .0000
 SCALE .0040

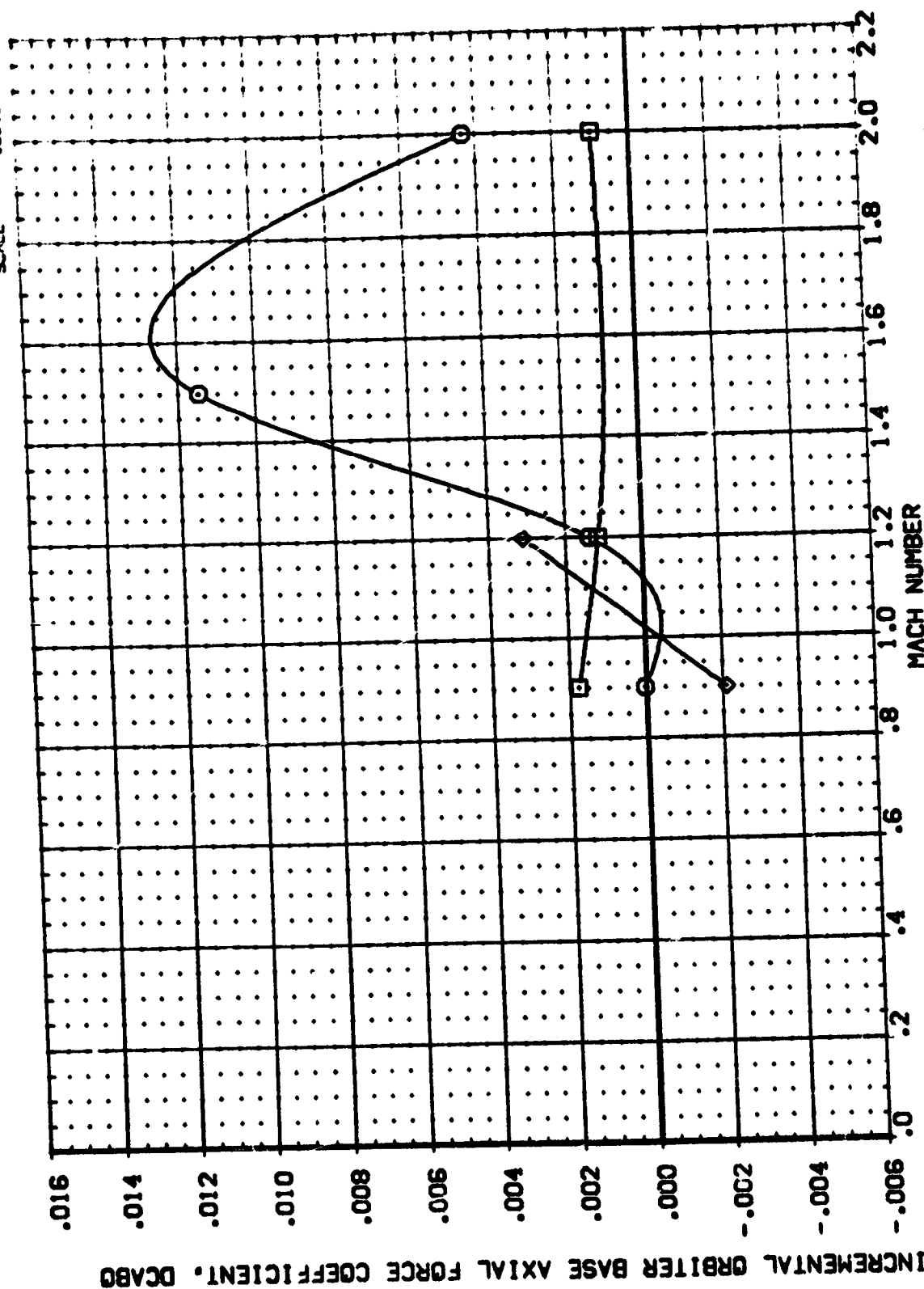


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(C)BETA = .00



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (D'4005) (A88 C1 F1 M1)
 (D'4008) (A88 C1 F1 M2(1)+FILLET)
 (D'4010) (A88 C1 F1 M3 M4)

ALPHA
 .000
 .000
 .000

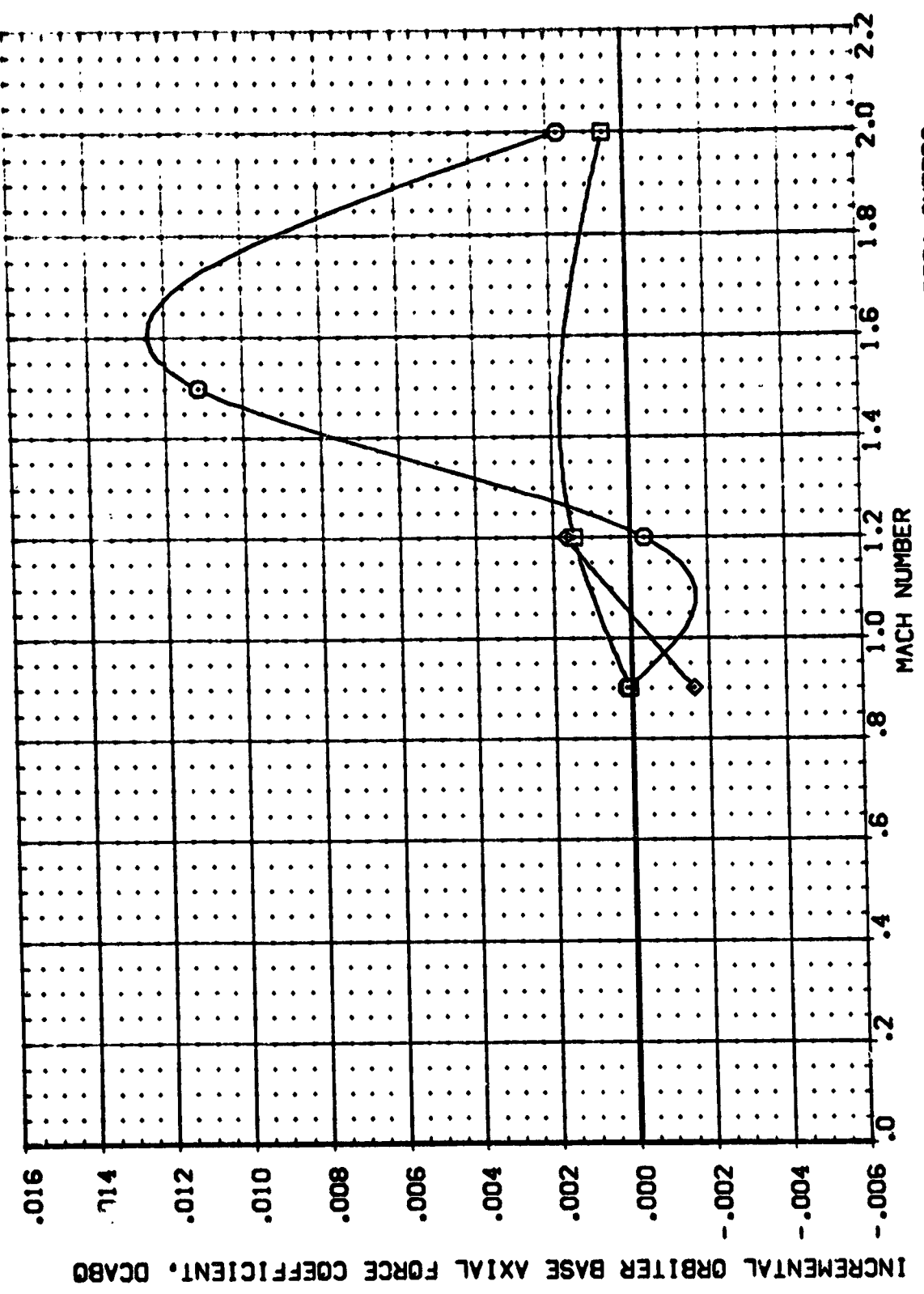


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS
 (D)BETA = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [D4005] [A88 C1 F1 M1]
 [D4006] [A88 C1 F1 M2(1)+FILLET]
 [D4010] [A88 C1 F1 M3 M4]

ALPHA
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 328.3000 IN.
 BREF 328.3000 IN.
 XREF 328.3000 IN.
 YREF 328.3000 IN.
 ZREF 328.3000 IN.
 SCALE 0.0010

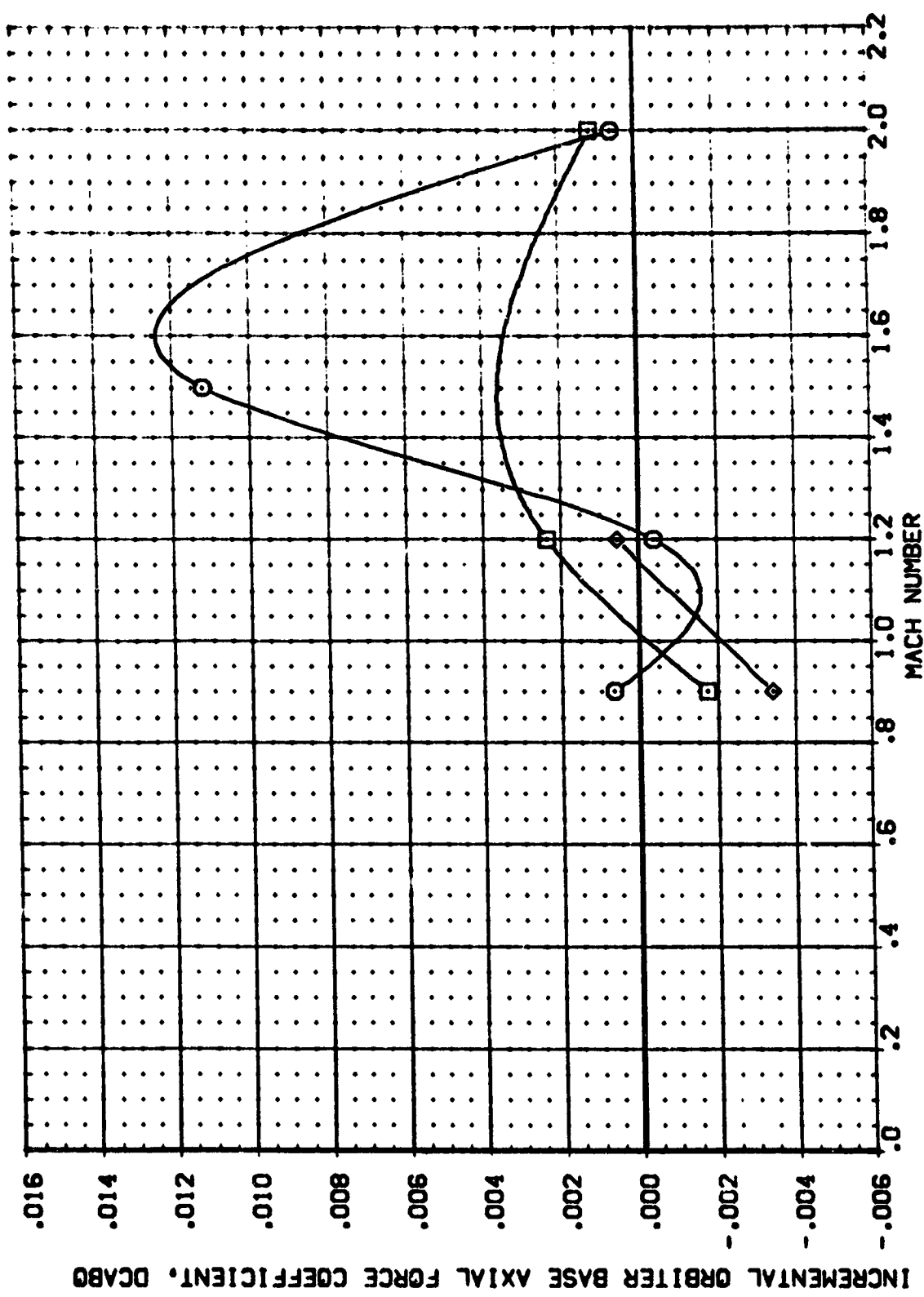


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(C)BETA = 4.00



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [CF4005] [A68 C] F1 M1
 [CF4008] [A68 C] F1 M2(1)-FILLET
 [CF4010] [A68 C] F1 M3 M4

ALPHA
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 2690.0000 SCF
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 YPROP .0000
 ZPROP .0000
 SCALE .0040

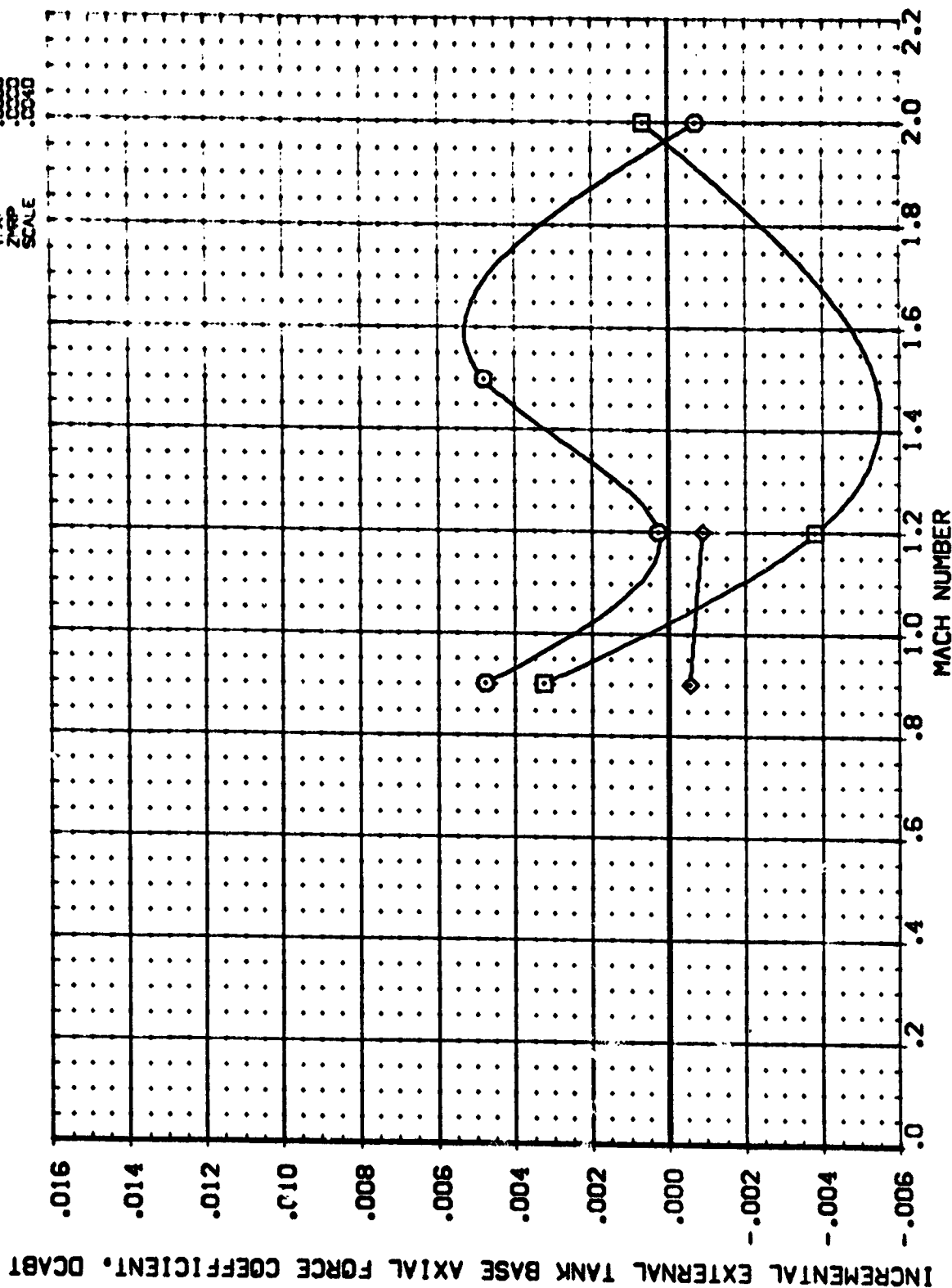


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(Δ BETA = -4.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [DF4005] [A68 C1 F1 M1]
 [DF4008] [A68 C1 F1 M2(1)+FILLET]
 [DF4010] [A68 C1 F1 M3 M4]

ALPHA
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 7680
 LREF 1378
 BREF 1378
 XMRP 1378
 YMRP 1378
 ZMRP 1378
 SCALE 1378

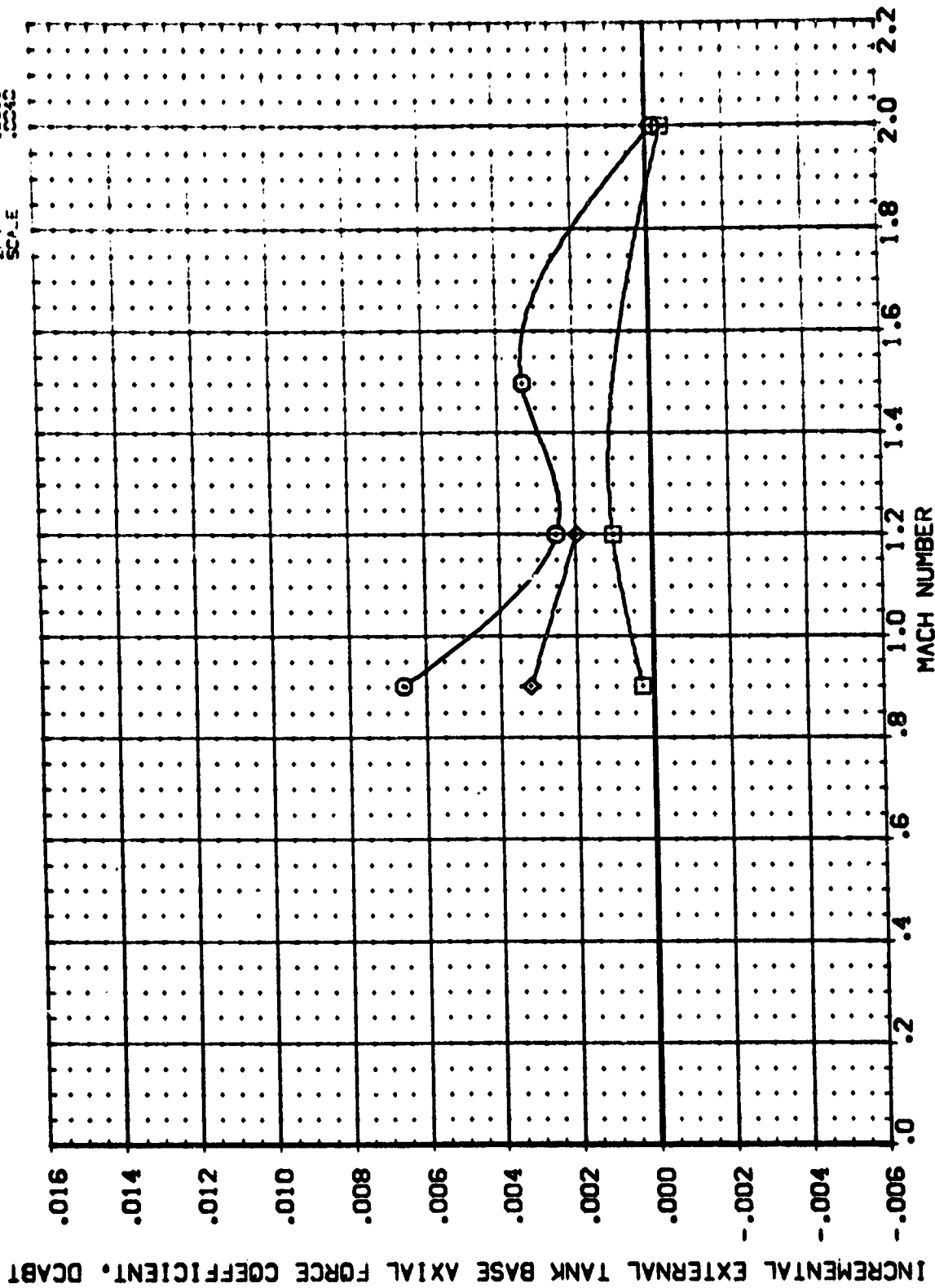


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(B)BETA = -2.00



| DATA SET SYMBOL | CONF:IGATION DESCRIPTION |
|-----------------|--------------------------|
| [D4005] | !A88 C1 F1 M1 |
| [54208] | !A88 C1 F1 M2(1)+FILLET |
| [54010] | !A88 C1 F1 M3 M4 |

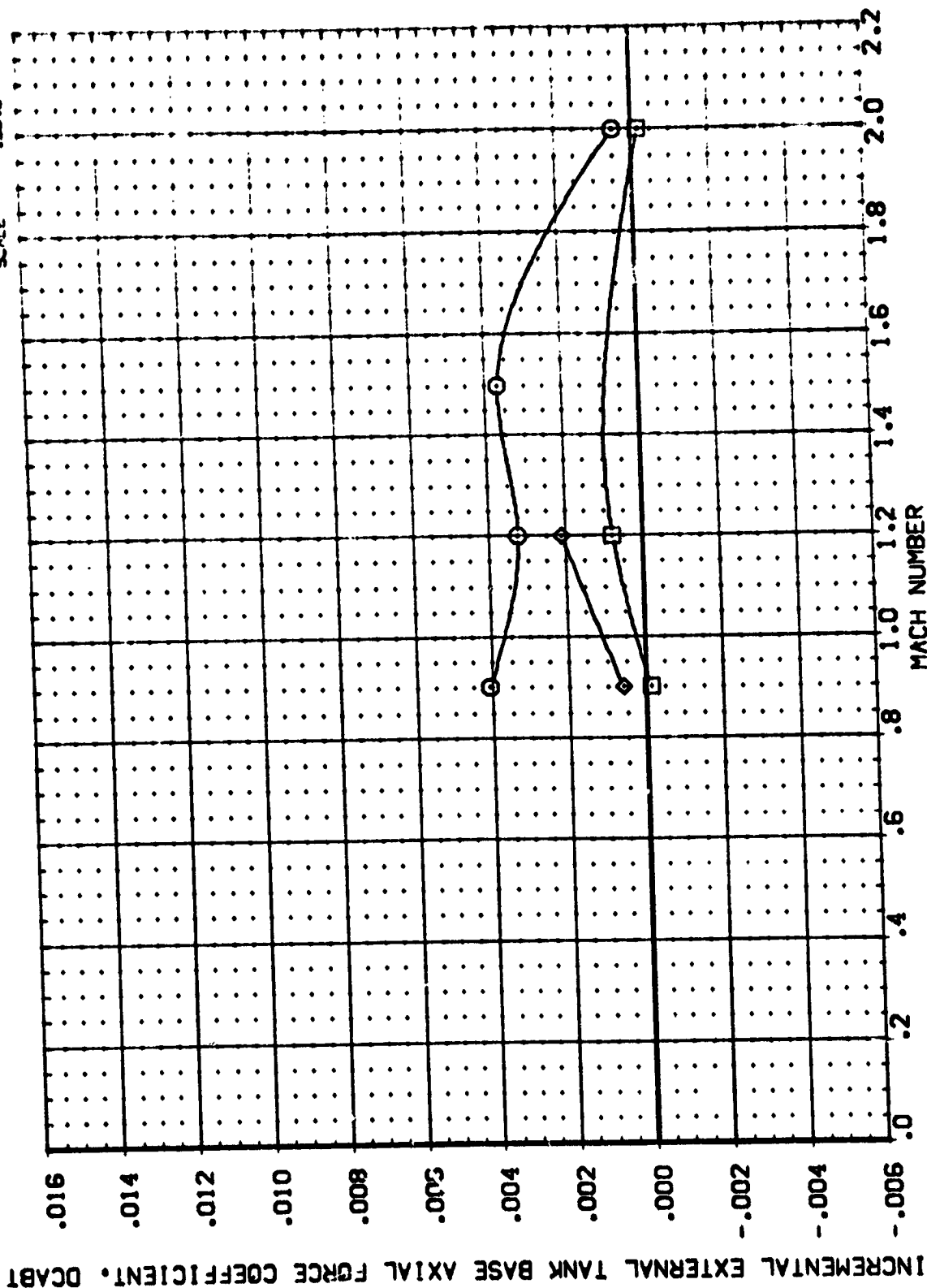


FIG. 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

$\log_{10} = .00$

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 54005 Q 1A88 C1 F1 M1
 54008 Q 1A88 C1 F1 M2(1)+FILLET
 54010 Q 1A88 C1 F1 M3 M4

ALPHA
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 308
 XREF 308
 YREF 308
 ZREF 308
 SCALE

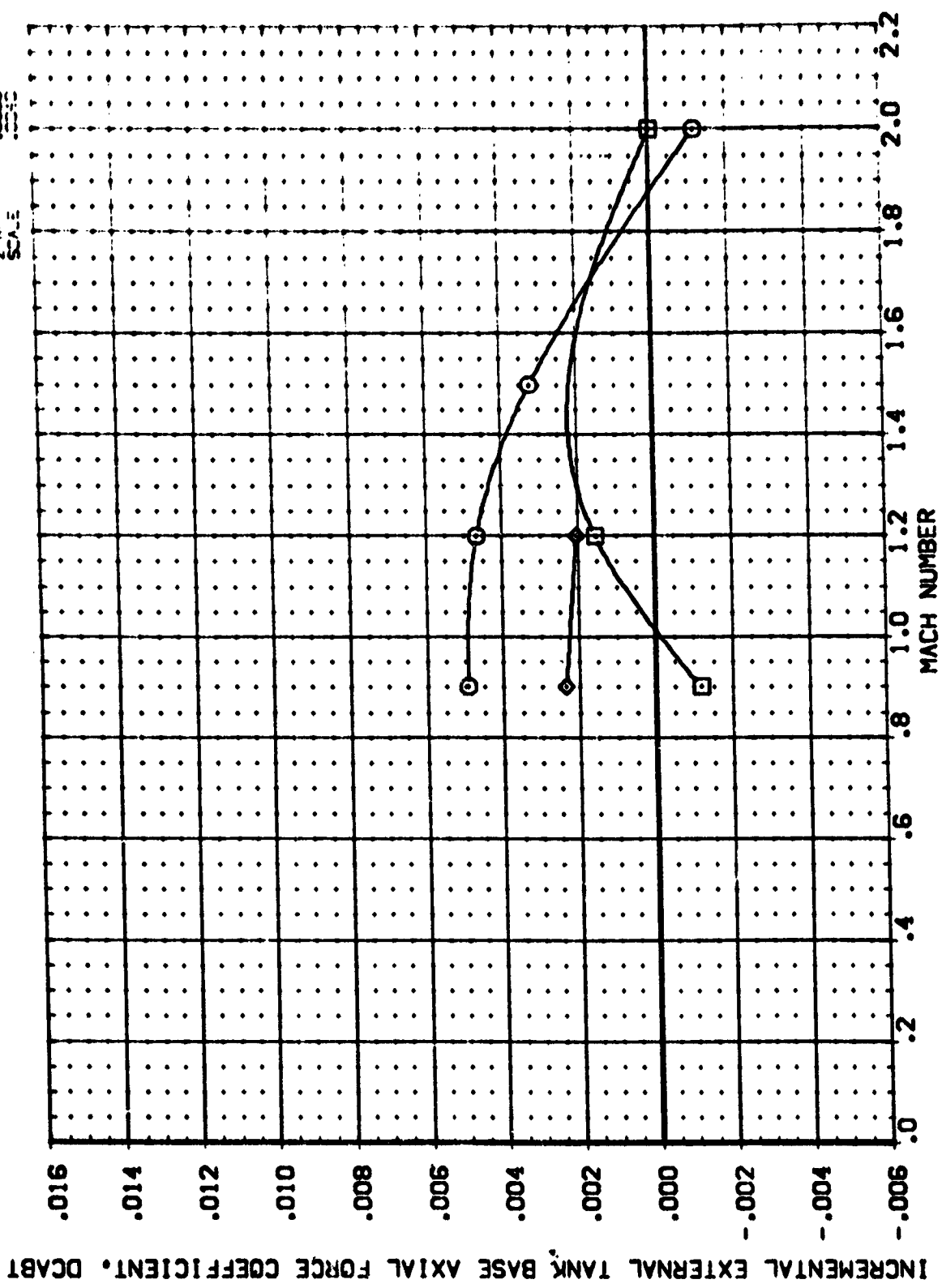


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

COJBETA = 2.00

PAGE

72



REFERENCE INFORMATION
 SREF 2680.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XPRP 1328.0000
 YPRP 1328.0000
 ZPRP 1328.0000
 SCALE .0010

ALPHA
 .000
 .000
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [DF4005] [A68 C] F1 M1
 [DF4008] [A68 C] F1 M2(1)+Fillet
 [DF4010] [A68 C] F1 M3 M4

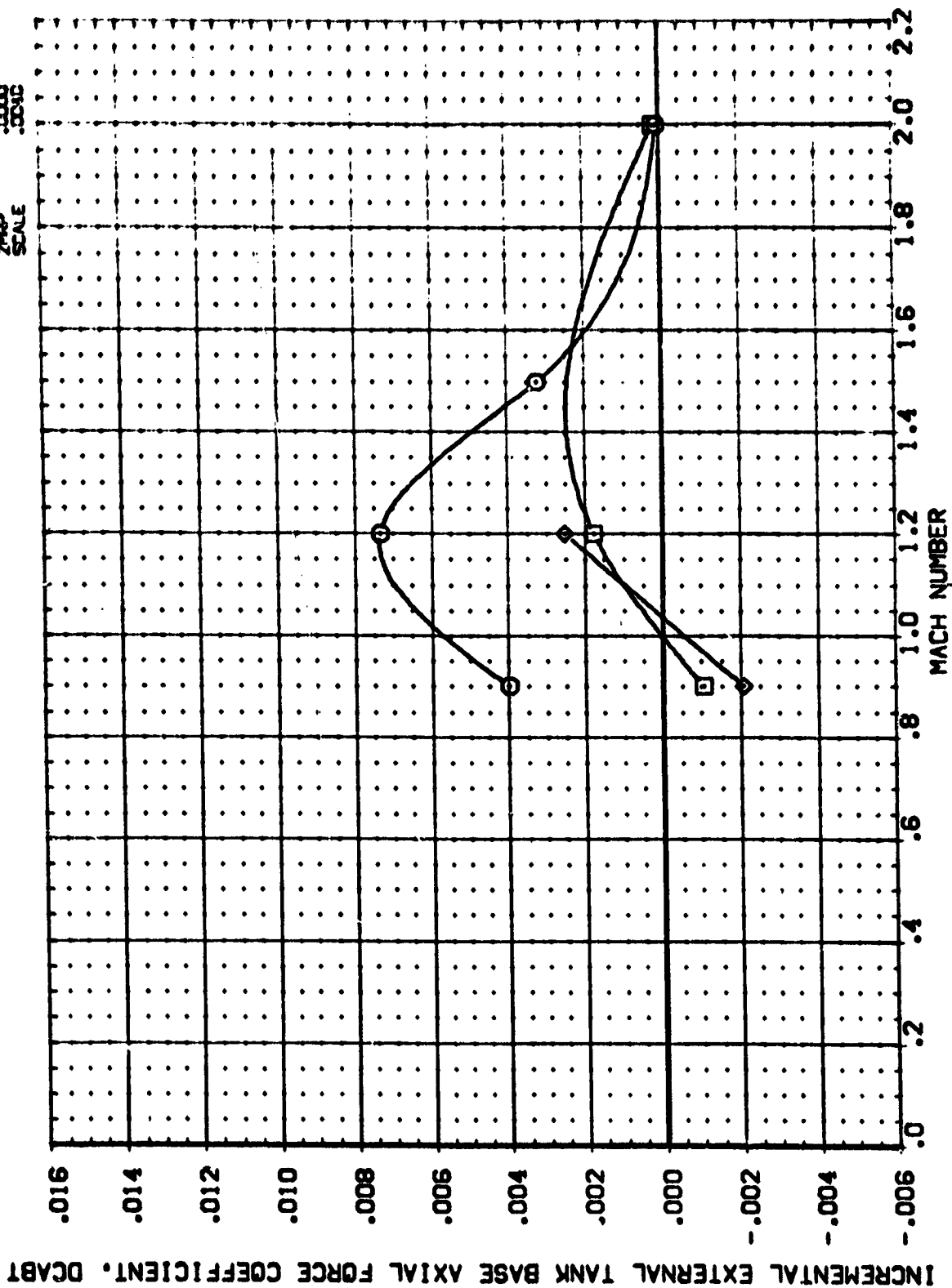


FIG 5 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(C)BETA = 4.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [DF4005] [A58 C] F1 M1
 [DF4008] [A58 C] F1 P2(1)-FILLET
 [DF4010] [A58 C] F1 P3 M1

ALPHA
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 2650.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 X-REF .0000
 Y-REF .0000
 Z-REF .0000
 SCALE .0000

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

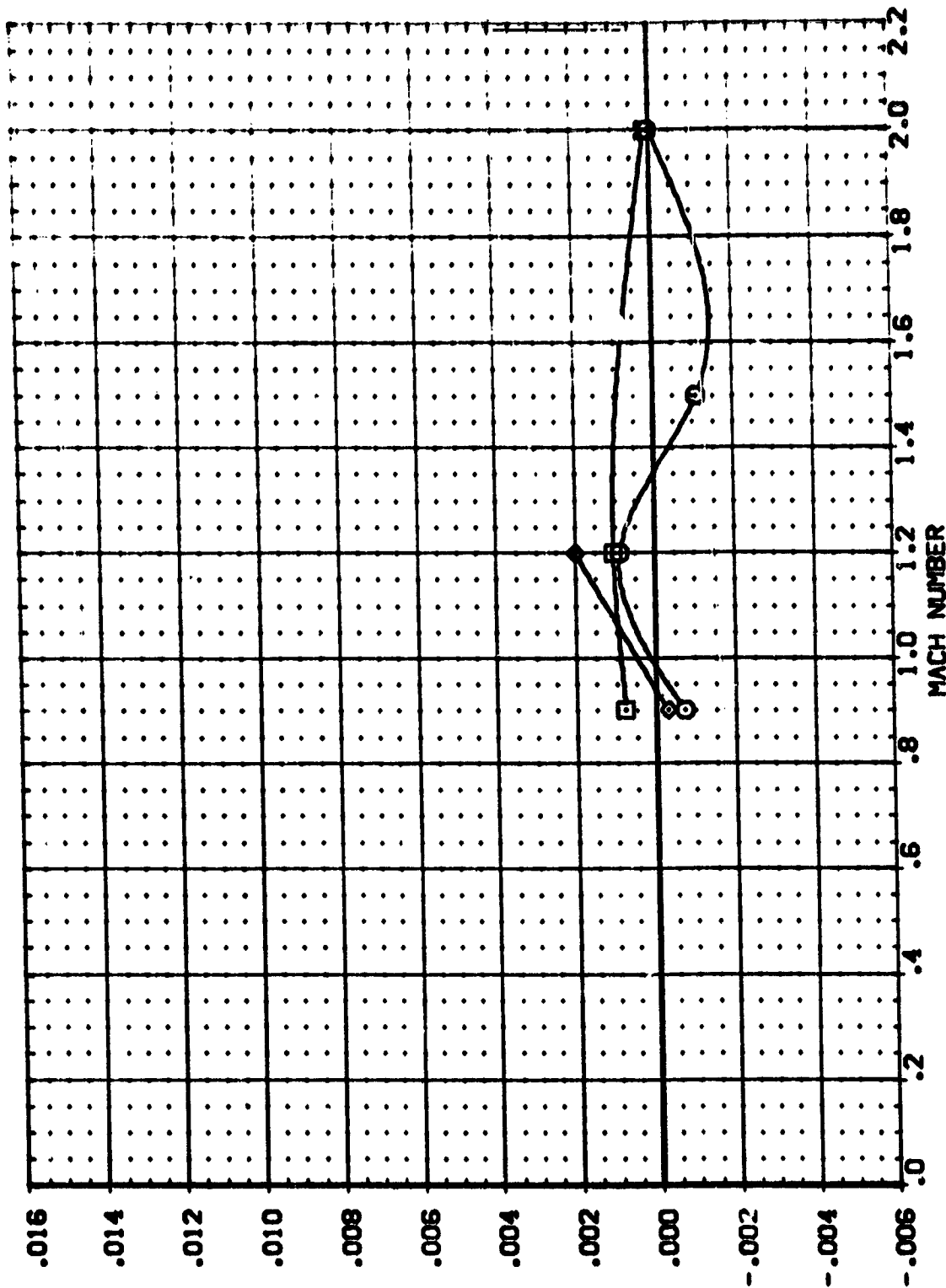


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(A)BETA = -4.00

DATA SET SYMBOL: [DF4005] [DF4008] [DF4010]
 CONFIGURATION DESCRIPTION: 1A58 C1 F1 M1 1A58 C1 F1 M2(1)+FILLET 1A58 C1 F1 M3 M4
 ALPHA: .000 .000 .000
 REFERENCE INFORMATION: SREF 2690.0000 SQ.FT. LREF 1328.3000 IN. BREF 1328.3000 IN. XPROP .0000 YPROP .0000 ZPROP .0000 SCALE .0050

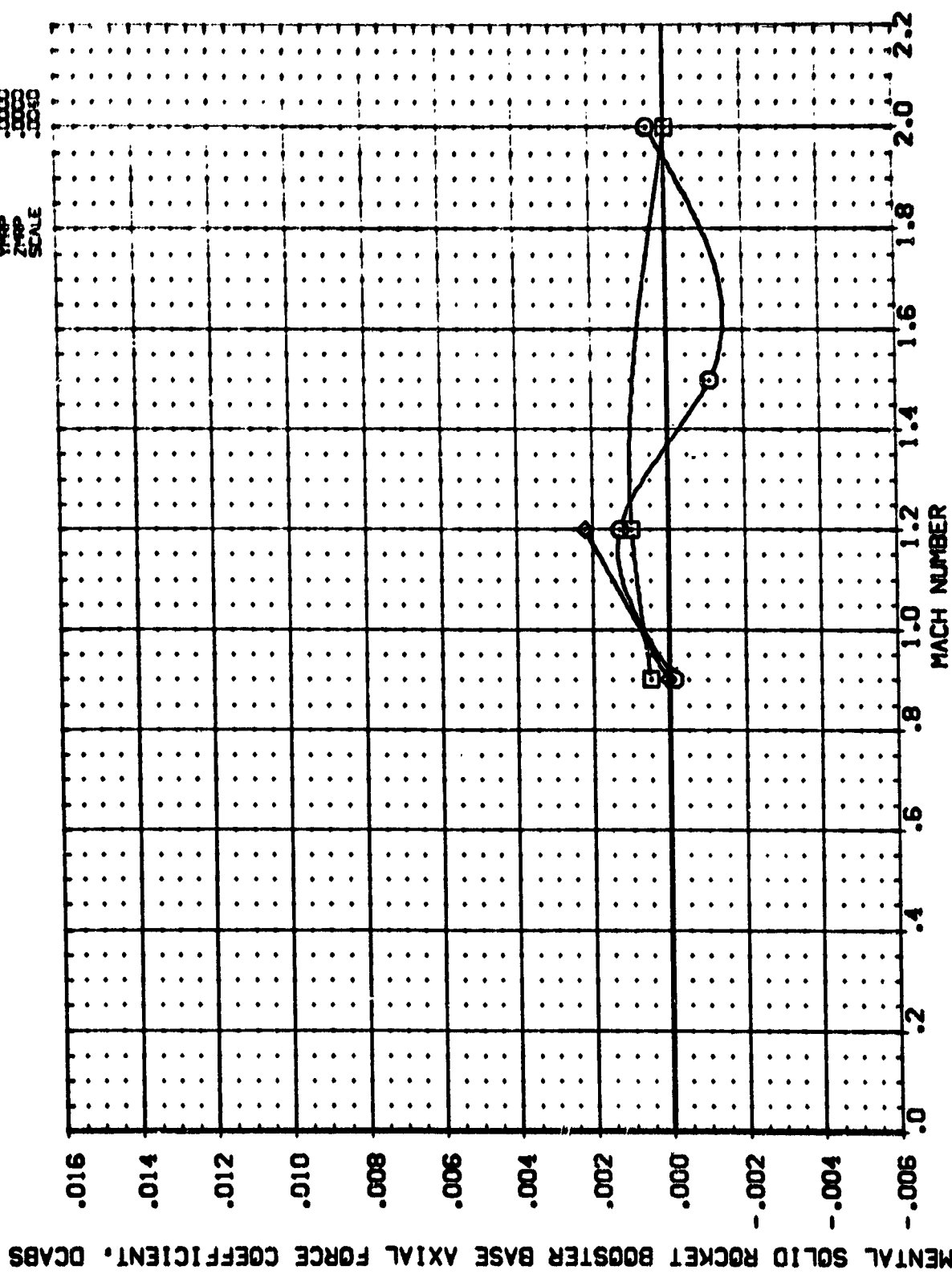


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS
 (B)BETA = -2.00

DATA SET SYMOL CONFIGURATION DESCRIPTION
 [F4005] IASB C1 F1 M1
 [F4006] IASB C1 F1 M2(1)+FILLET
 [F4010] IASB C1 F1 M3 M4

ALPHA
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 2600.0000 SQ.FT.
 LREF 1308.3000 IN.
 BREF 1308.3000 IN.
 XREF 1308.3000 IN.
 YREF 1308.3000 IN.
 ZREF 1308.3000 IN.
 SCALE .0010

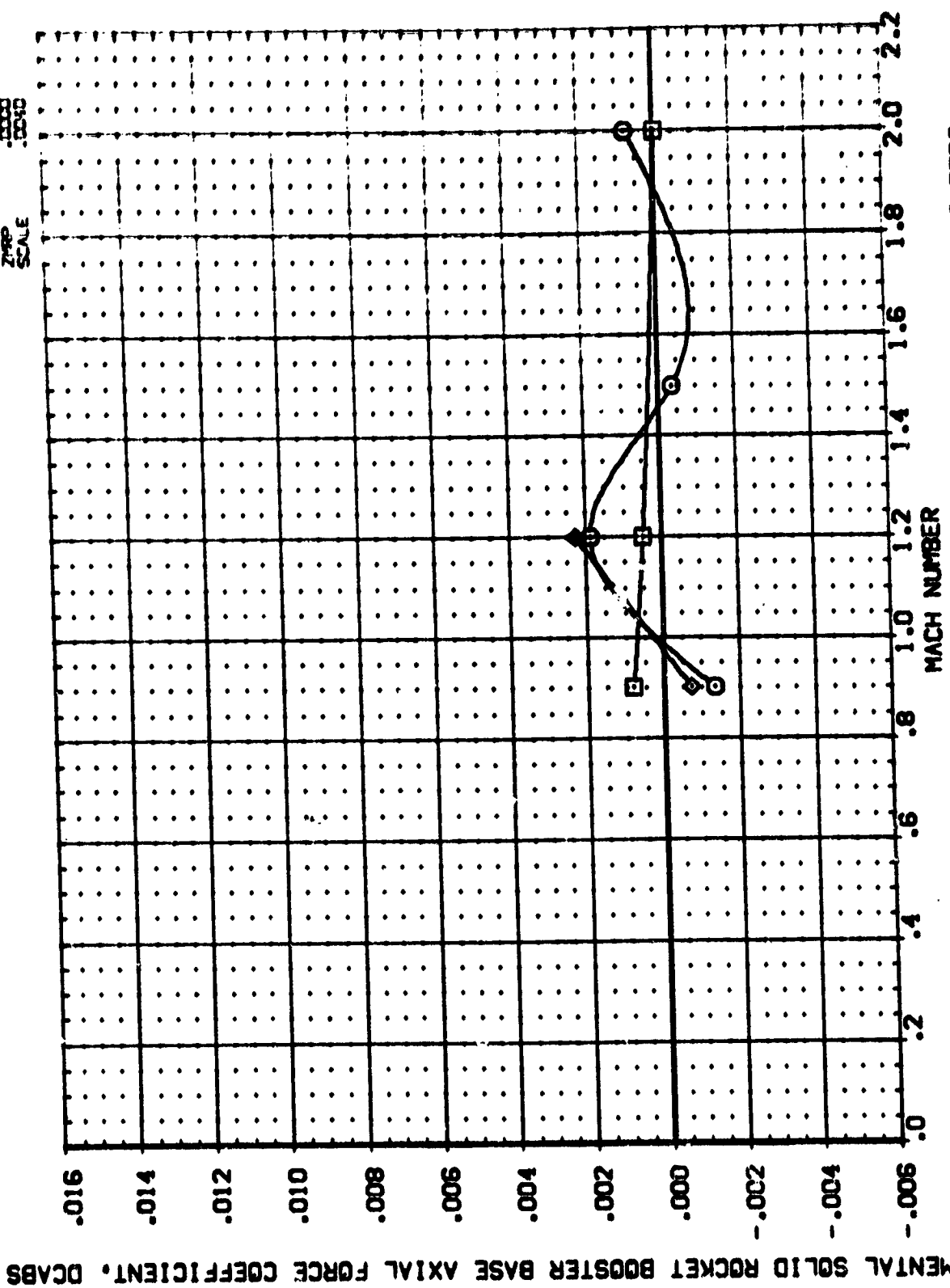


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(C)BETA = .00



REFERENCE INFORMATION:
 SREF 2850.0000 SQ. FT.
 LREF 1328.3000
 BREF 1328.3000
 YPRP 1000
 ZPRP 1000
 SCALE 10000

ALPHA
 .000
 .000
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [DF4005] [AGB C] F1 M1
 [DF4008] [AGB C] F1 M2(1)+FILLET
 [DF4010] [AGB C] F1 M3 M4

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

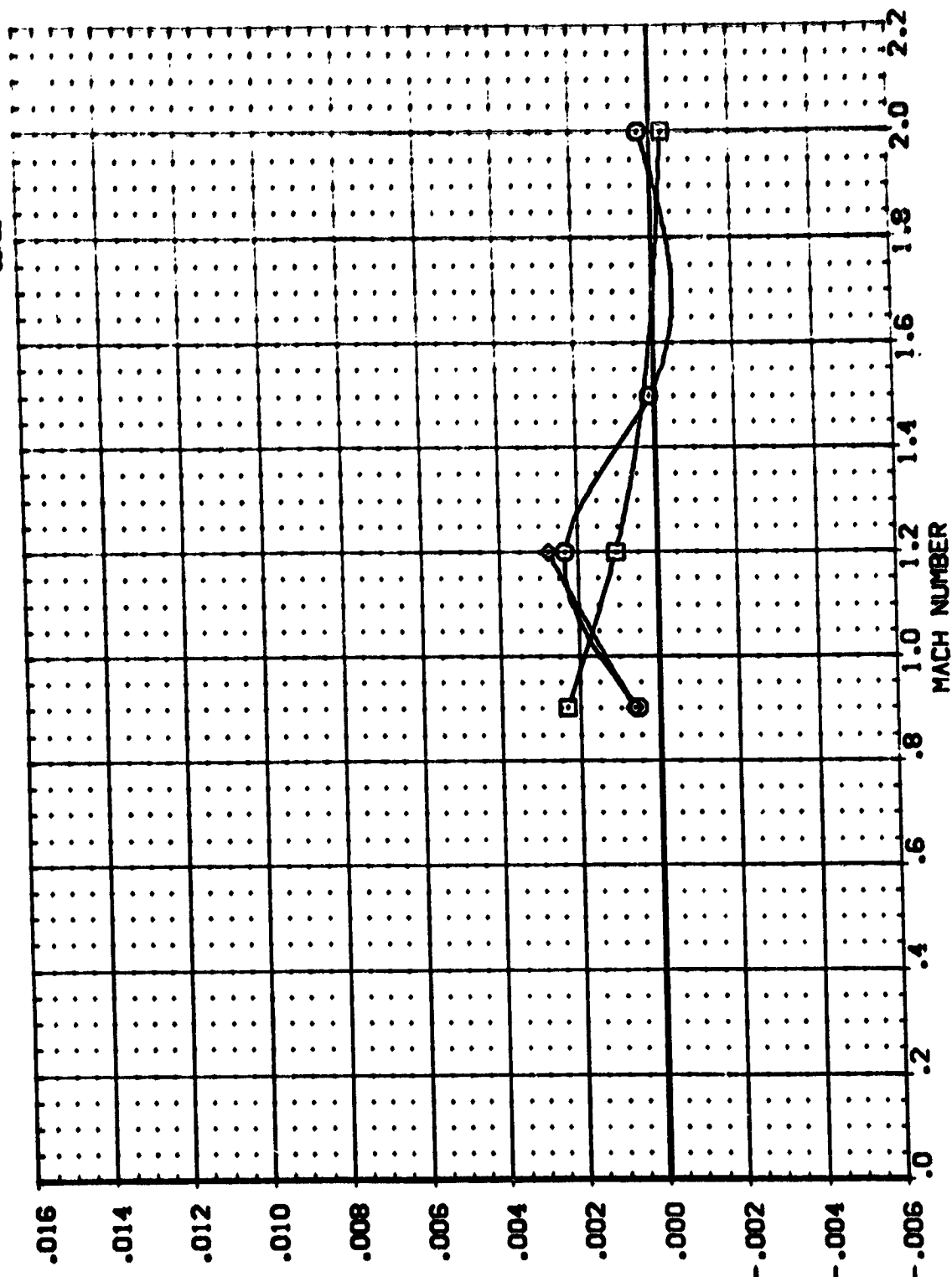


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(D)BETA = 2.00

REFERENCE INFORMATION
 SREF 2850.0000 SQ.FT.
 LREF 1308.3000 IN.
 BREF 1308.3000 IN.
 XREF 1308.3000 IN.
 YREF 1308.3000 IN.
 ZREF 1308.3000 IN.
 SCALE 1.0000

ALPHA
 .000
 .000
 .000

DATA SET SYMBL. CONFIGURATION DESCRIPTION
 (F4005) 1A58 C1 F1 M1
 (F4006) 1A58 C1 F1 M2(1)+FILLET
 (F4010) 1A58 C1 F1 M3 M4

INCREMENTAL SOLID ROCKET BOOSTER BASE AXIAL FORCE COEFFICIENT, DCABS

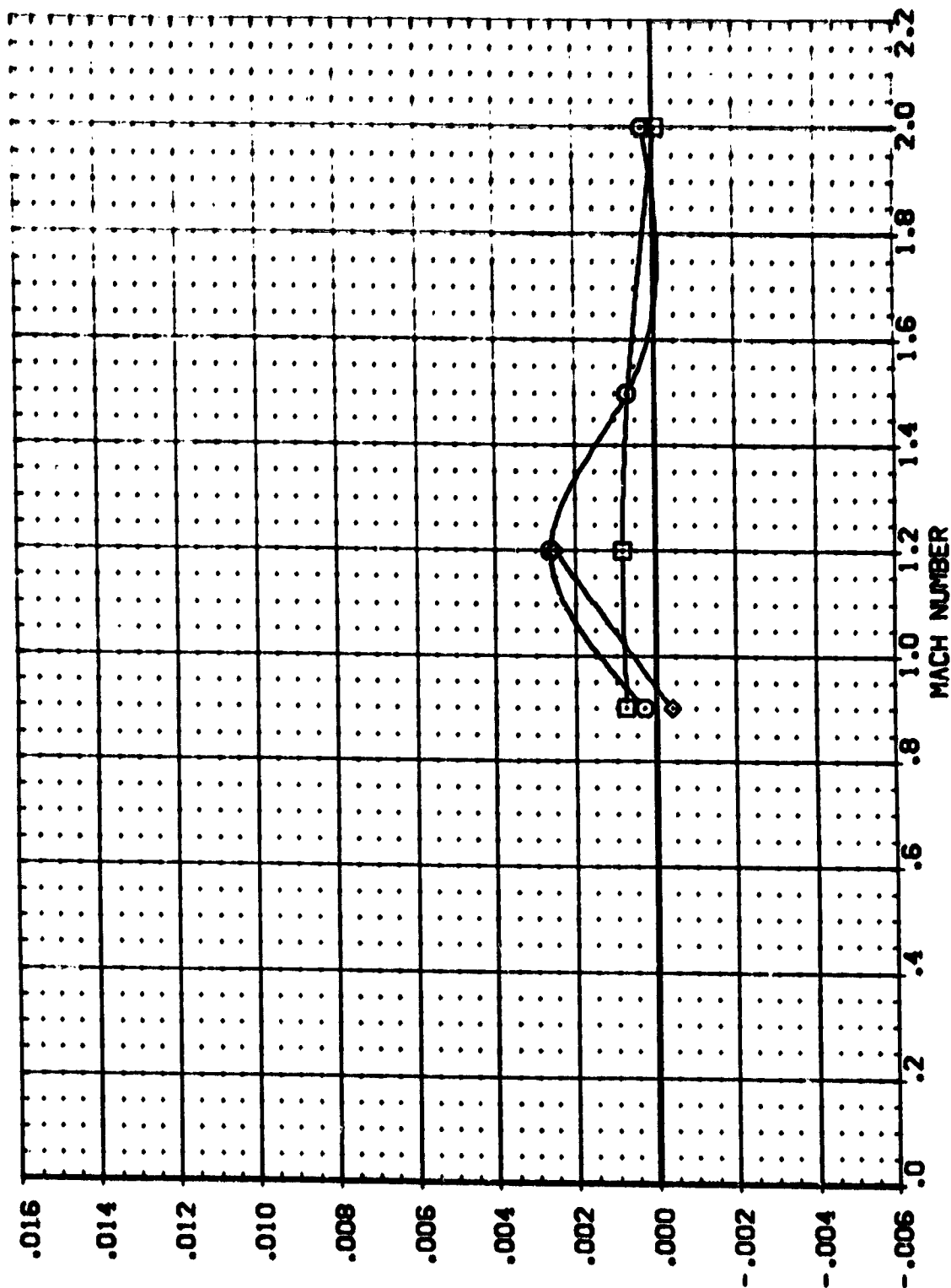


FIG 6 STRUT DIFFERENTIAL BASE AXIAL FORCE COEFFICIENTS - BETA SWEEPS

(C)BETA = 4.00

DATA SET SYMBOL [AF4012] [AF4012] [AF4012]
 CONFIGURATION DESCRIPTION [AF4012] [AF4012] [AF4012]
 REFERENCE INFORMATION
 SREF 2890.0000 SQ.FT.
 LREF 328.0000 IN.
 BREF 328.0000 IN.
 XMRP .0000
 YMRP .0000
 ZMRP .0000
 SCALE .0040

BETA
 .000
 .000

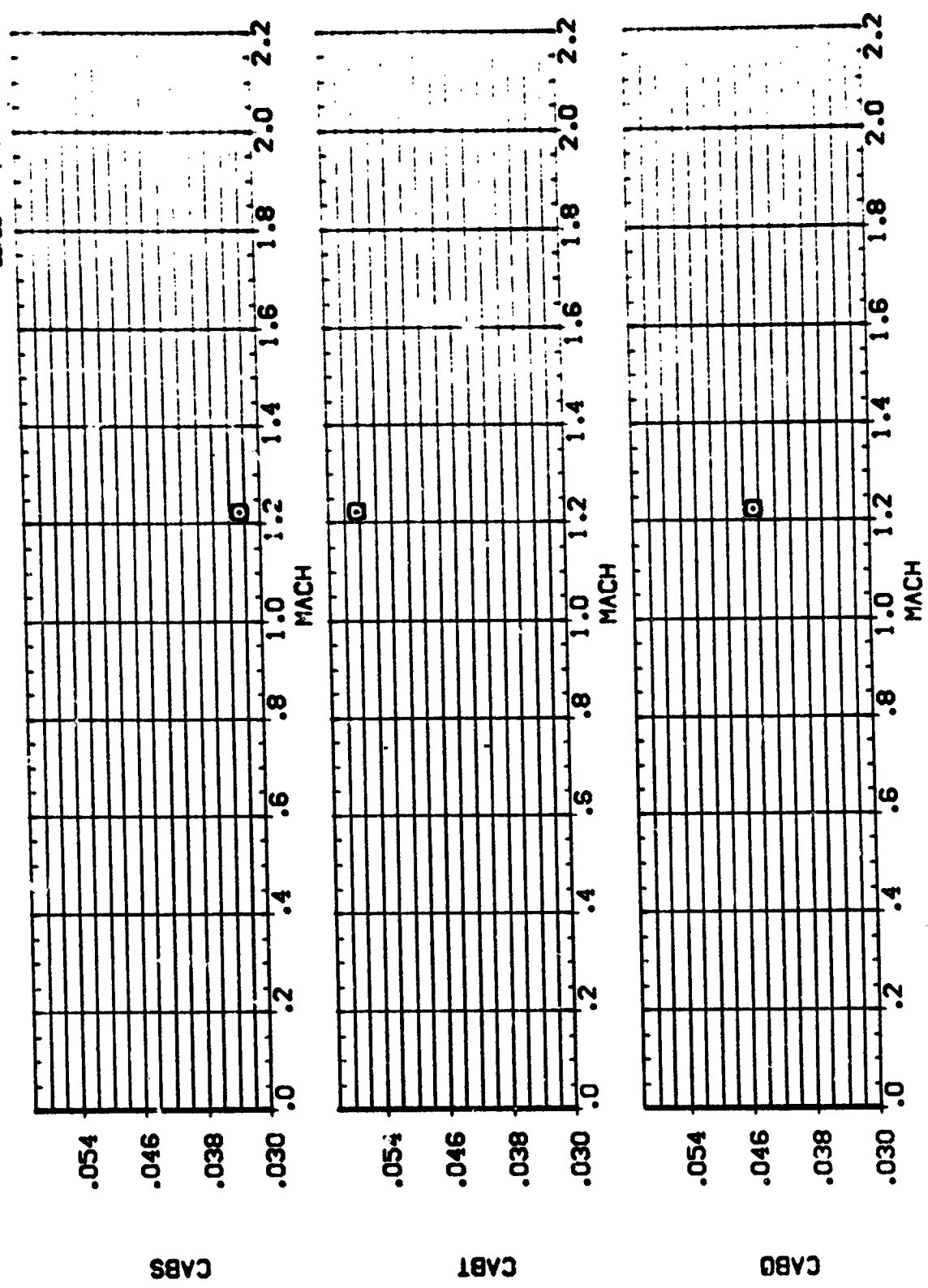


FIG 7 REPEATABILITY - BASE DRAG

(A)ALP-A = .00

DATA FIGURES - PRESSURE

DATA SET SYMB. CONFIGURATION DESCRIPTION
 (REF401) 8 1A88 C1 F1
 (REF401) 8 1A88 C1 F1

BETA
 UPPER WING SURFACE .000
 LOWER WING SURFACE .000

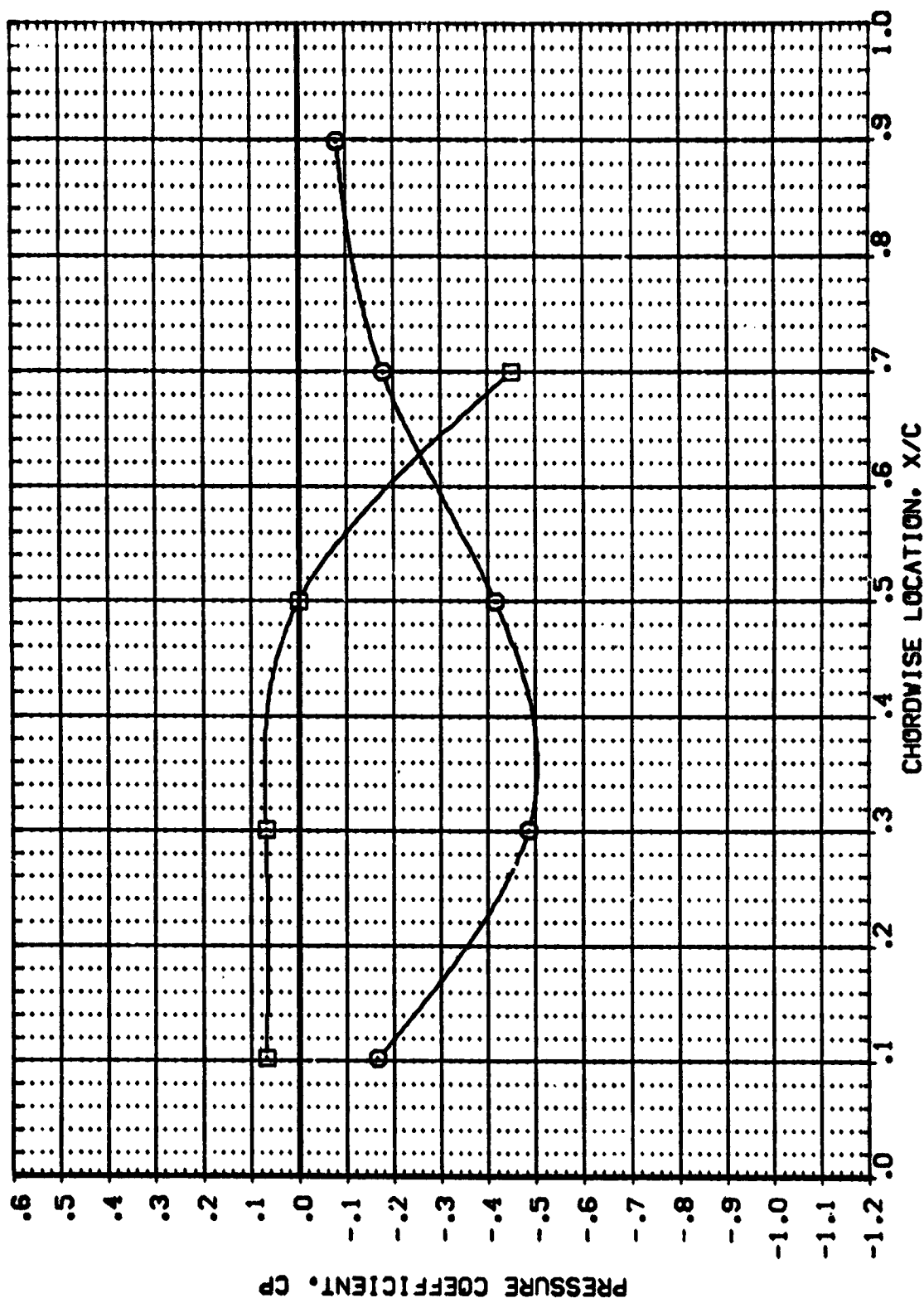


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = .863 ALPHA = .000 $2Y/B = .500$

DATA SET SYMB. CONFIGURATION DESCRIPTION BETA
 [R4LO2] [A58 C1 F1] UPPER WING SURFACE .000
 [R4LO2] [A58 C1 F1] LOWER WING SURFACE .000

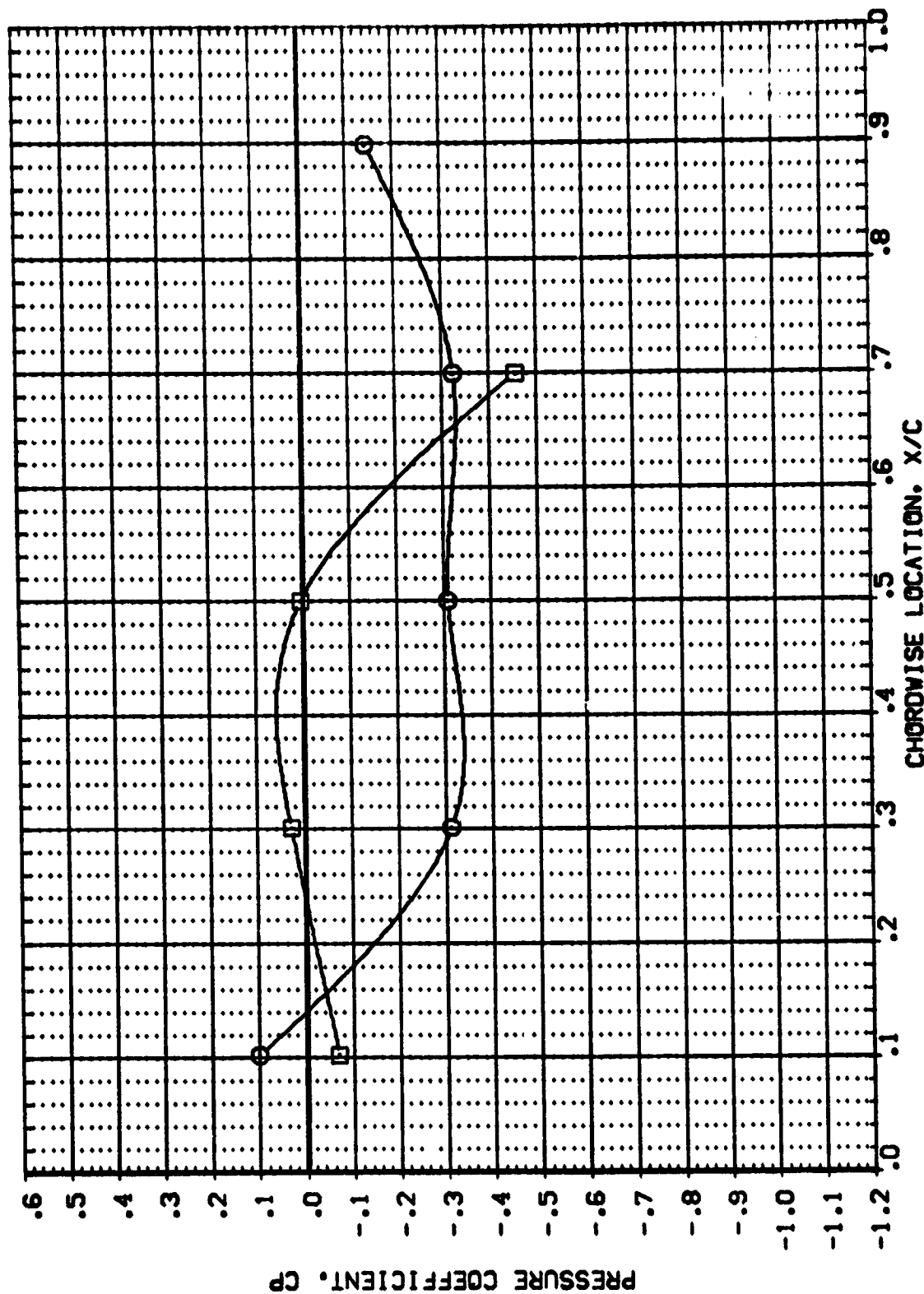


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = .896 ALPHA = -4.000 $2Y/B = .500$



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RFL02) [AGB C1 F1]
 (RFL02) [AGB C1 F1]

BETA
 UPPER WING SURFACE .000
 LOWER WING SURFACE .000

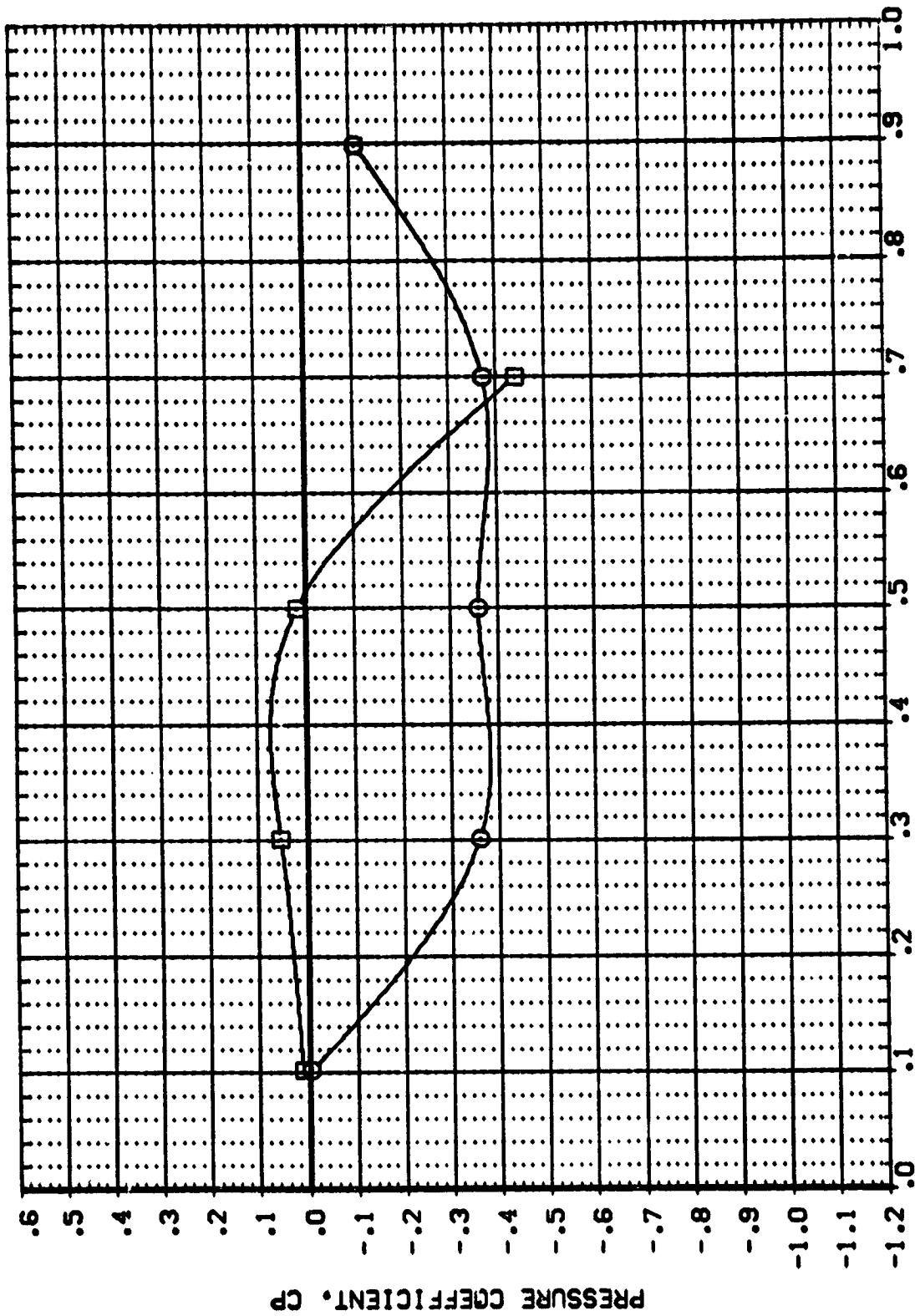


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = .896 ALPHA = -2.000 $2Y/B = .500$

DATA SET SYMBOL: (R4402) (R4402) ☐ (R4402) (R4402)

CONFIGURATION DESCRIPTION: IASB C1 F1 IASB C1 F1

BETA: .000 .000

UPPER WING SURFACE

LOWER WING SURFACE

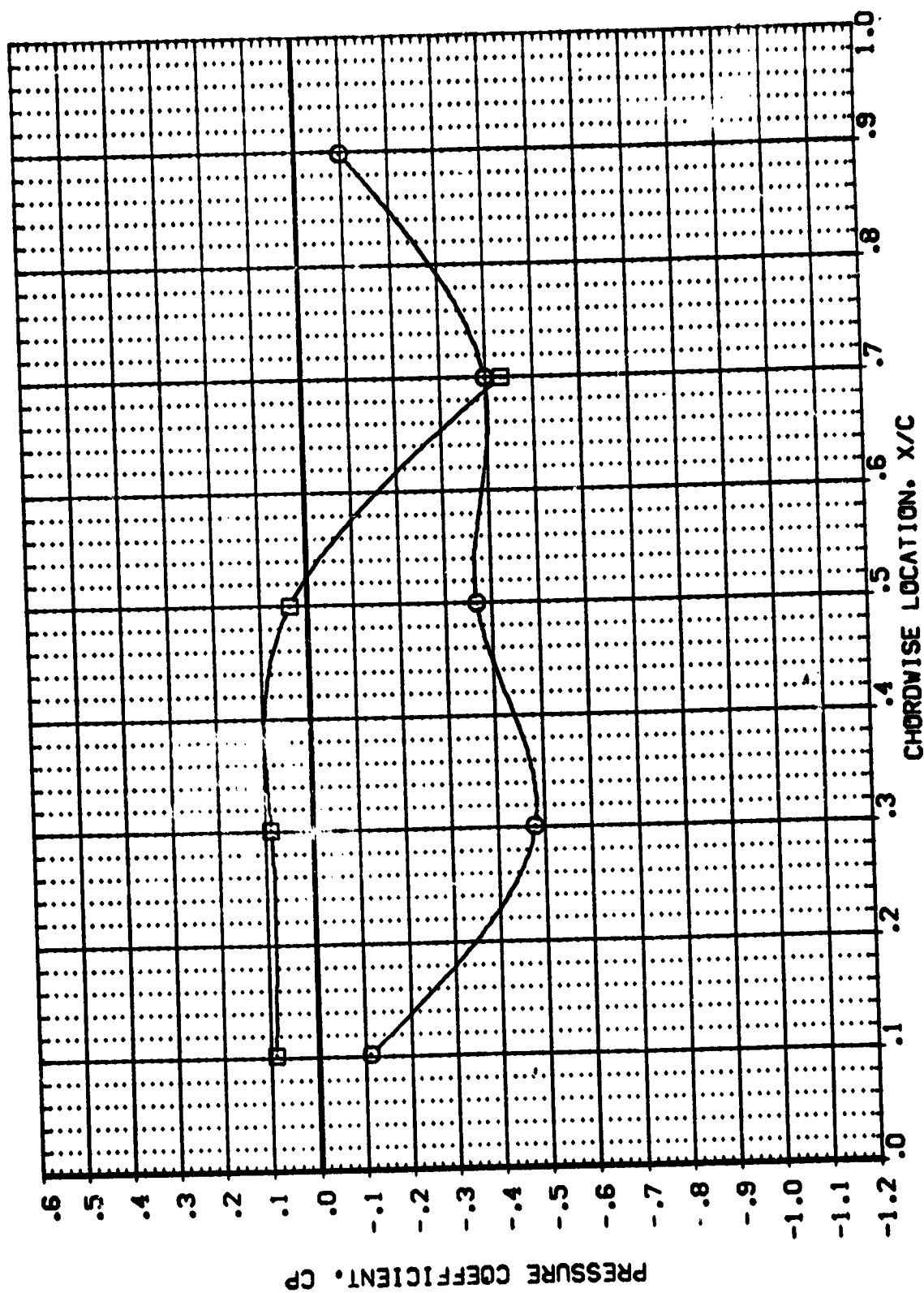


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = .896 ALPHA = -0.090 $2Y/B = .500$

DATA SET SYMBOL: (RF4LD2)
 CONFIGURATION DESCRIPTION: IASB C1 F1
 IASB C1 F1

BETA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

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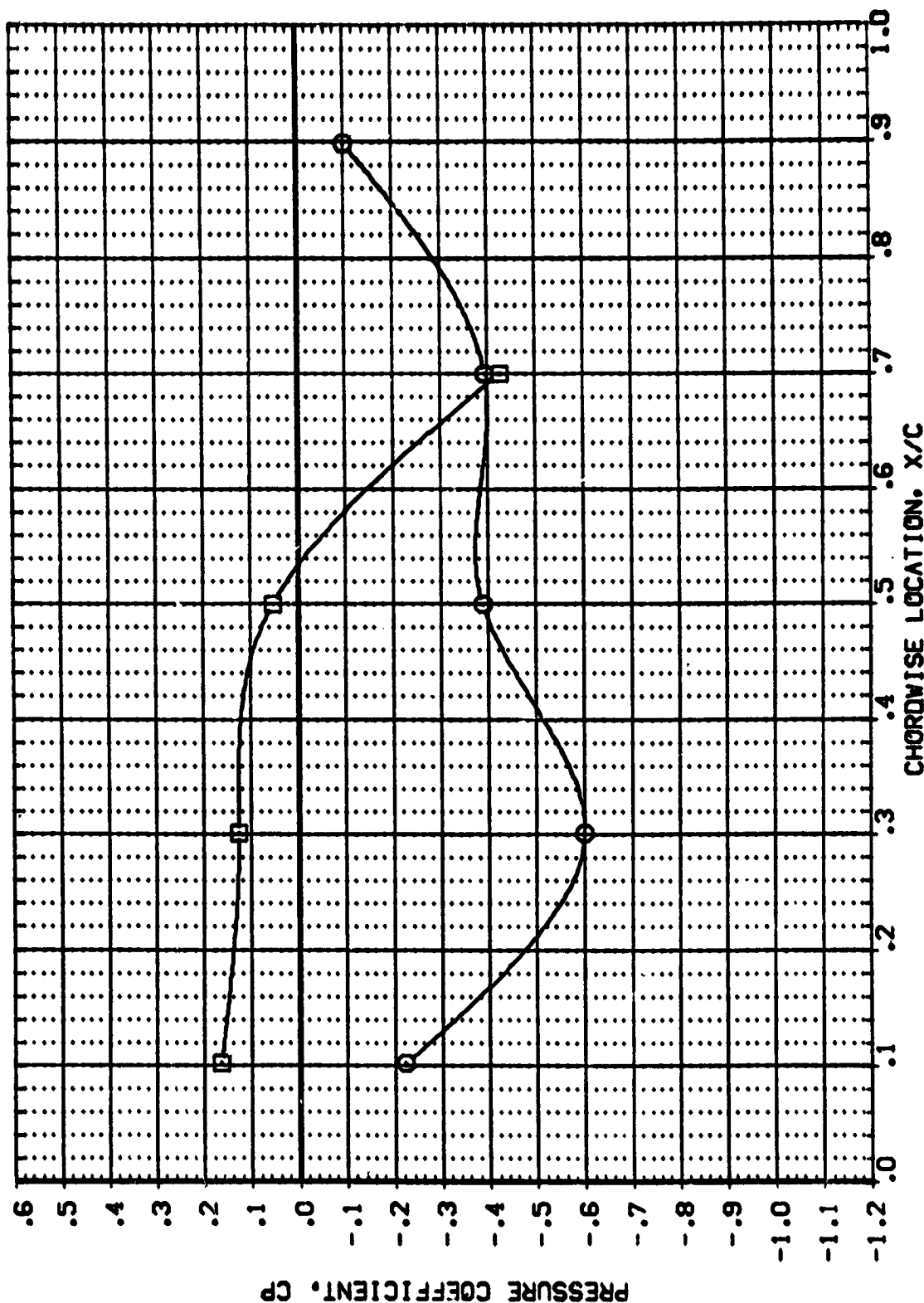


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = .896 ALPHA = 1.800 $2Y/B = .500$

DATA SET SYMBOL: [A] [B] [C] [D] [E] [F] [G] [H] [I] [J] [K] [L] [M] [N] [O] [P] [Q] [R] [S] [T] [U] [V] [W] [X] [Y] [Z] [AA] [AB] [AC] [AD] [AE] [AF] [AG] [AH] [AI] [AJ] [AK] [AL] [AM] [AN] [AO] [AP] [AQ] [AR] [AS] [AT] [AU] [AV] [AW] [AX] [AY] [AZ] [BA] [BB] [BC] [BD] [BE] [BF] [BG] [BH] [BI] [BJ] [BK] [BL] [BM] [BN] [BO] [BP] [BQ] [BR] [BS] [BT] [BU] [BV] [BW] [BX] [BY] [BZ] [CA] [CB] [CC] [CD] [CE] [CF] [CG] [CH] [CI] [CJ] [CK] [CL] [CM] [CN] [CO] [CP] [CQ] [CR] [CS] [CT] [CU] [CV] [CW] [CX] [CY] [CZ] [DA] [DB] [DC] [DD] [DE] [DF] [DG] [DH] [DI] [DJ] [DK] [DL] [DM] [DN] [DO] [DP] [DQ] [DR] [DS] [DT] [DU] [DV] [DW] [DX] [DY] [DZ] [EA] [EB] [EC] [ED] [EE] [EF] [EG] [EH] [EI] [EJ] [EK] [EL] [EM] [EN] [EO] [EP] [EQ] [ER] [ES] [ET] [EU] [EV] [EW] [EX] [EY] [EZ] [FA] [FB] [FC] [FD] [FE] [FF] [FG] [FH] [FI] [FJ] [FK] [FL] [FM] [FN] [FO] [FP] [FQ] [FR] [FS] [FT] [FU] [FV] [FW] [FX] [FY] [FZ] [GA] [GB] [GC] [GD] [GE] [GF] [GG] [GH] [GI] [GJ] [GK] [GL] [GM] [GN] [GO] [GP] [GQ] [GR] [GS] [GT] [GU] [GV] [GW] [GX] [GY] [GZ] [HA] [HB] [HC] [HD] [HE] [HF] [HG] [HH] [HI] [HJ] [HK] [HL] [HM] [HN] [HO] [HP] [HQ] [HR] [HS] [HT] [HU] [HV] [HW] [HX] [HY] [HZ] [IA] [IB] [IC] [ID] [IE] [IF] [IG] [IH] [II] [IJ] [IK] [IL] [IM] [IN] [IO] [IP] [IQ] [IR] [IS] [IT] [IU] [IV] [IW] [IX] [IY] [IZ] [JA] [JB] [JC] [JD] [JE] [JF] [JG] [JH] [JI] [JJ] [JK] [JL] [JM] [JN] [JO] [JP] [JQ] [JR] [JS] [JT] [JU] [JV] [JW] [JX] [JY] [JZ] [KA] [KB] [KC] [KD] [KE] [KF] [KG] [KH] [KI] [KJ] [KK] [KL] [KM] [KN] [KO] [KP] [KQ] [KR] [KS] [KT] [KU] [KV] [KW] [KX] [KY] [KZ] [LA] [LB] [LC] [LD] [LE] [LF] [LG] [LH] [LI] [LJ] [LK] [LL] [LM] [LN] [LO] [LP] [LQ] [LR] [LS] [LT] [LU] [LV] [LW] [LX] [LY] [LZ] [MA] [MB] [MC] [MD] [ME] [MF] [MG] [MH] [MI] [MJ] [MK] [ML] [MM] [MN] [MO] [MP] [MQ] [MR] [MS] [MT] [MU] [MV] [MW] [MX] [MY] [MZ] [NA] [NB] [NC] [ND] [NE] [NF] [NG] [NH] [NI] [NJ] [NK] [NL] [NM] [NN] [NO] [NP] [NQ] [NR] [NS] [NT] [NU] [NV] [NW] [NX] [NY] [NZ] [OA] [OB] [OC] [OD] [OE] [OF] [OG] [OH] [OI] [OJ] [OK] [OL] [OM] [ON] [OO] [OP] [OQ] [OR] [OS] [OT] [OU] [OV] [OW] [OX] [OY] [OZ] [PA] [PB] [PC] [PD] [PE] [PF] [PG] [PH] [PI] [PJ] [PK] [PL] [PM] [PN] [PO] [PP] [PQ] [PR] [PS] [PT] [PU] [PV] [PW] [PX] [PY] [PZ] [QA] [QB] [QC] [QD] [QE] [QF] [QG] [QH] [QI] [QJ] [QK] [QL] [QM] [QN] [QO] [QP] [QQ] [QR] [QS] [QT] [QU] [QV] [QW] [QX] [QY] [QZ] [RA] [RB] [RC] [RD] [RE] [RF] [RG] [RH] [RI] [RJ] [RK] [RL] [RM] [RN] [RO] [RP] [RQ] [RR] [RS] [RT] [RU] [RV] [RW] [RX] [RY] [RZ] [SA] [SB] [SC] [SD] [SE] [SF] [SG] [SH] [SI] [SJ] [SK] [SL] [SM] [SN] [SO] [SP] [SQ] [SR] [SS] [ST] [SU] [SV] [SW] [SX] [SY] [SZ] [TA] [TB] [TC] [TD] [TE] [TF] [TG] [TH] [TI] [TJ] [TK] [TL] [TM] [TN] [TO] [TP] [TQ] [TR] [TS] [TT] [TU] [TV] [TW] [TX] [TY] [TZ] [UA] [UB] [UC] [UD] [UE] [UF] [UG] [UH] [UI] [UJ] [UK] [UL] [UM] [UN] [UO] [UP] [UQ] [UR] [US] [UT] [UU] [UV] [UW] [UX] [UY] [UZ] [VA] [VB] [VC] [VD] [VE] [VF] [VG] [VH] [VI] [VJ] [VK] [VL] [VM] [VN] [VO] [VP] [VQ] [VR] [VS] [VT] [VU] [VV] [VW] [VX] [VY] [VZ] [WA] [WB] [WC] [WD] [WE] [WF] [WG] [WH] [WI] [WJ] [WK] [WL] [WM] [WN] [WO] [WP] [WQ] [WR] [WS] [WT] [WU] [WV] [WW] [WX] [WY] [WZ] [XA] [XB] [XC] [XD] [XE] [XF] [XG] [XH] [XI] [XJ] [XK] [XL] [XM] [XN] [XO] [XP] [XQ] [XR] [XS] [XT] [XU] [XV] [XW] [XX] [XY] [XZ] [YA] [YB] [YC] [YD] [YE] [YF] [YG] [YH] [YI] [YJ] [YK] [YL] [YM] [YN] [YO] [YP] [YQ] [YR] [YS] [YT] [YU] [YV] [YW] [YX] [YY] [YZ] [ZA] [ZB] [ZC] [ZD] [ZE] [ZF] [ZG] [ZH] [ZI] [ZJ] [ZK] [ZL] [ZM] [ZN] [ZO] [ZP] [ZQ] [ZR] [ZS] [ZT] [ZU] [ZV] [ZW] [ZX] [ZY] [ZZ]

BETA
UPPER WING SURFACE
LOWER WING SURFACE

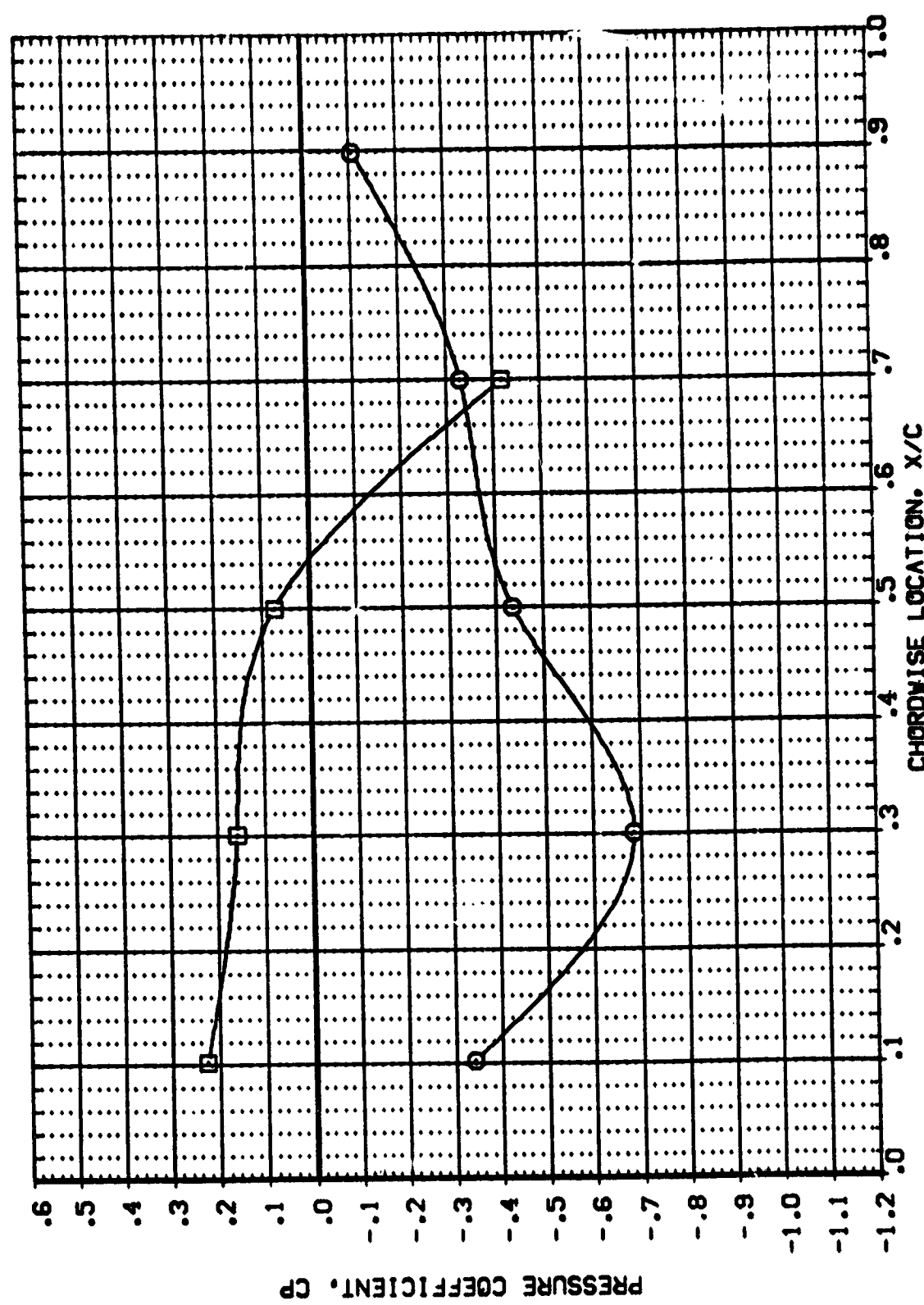


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = .896 ALPHA = 3.670 $2Y/B = .500$

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (REF 402) IAGB C1 F1
 (REF 402) IAGB C1 F1

BETA
 .000
 .000
 UPPER WING SURFACE
 LOWER WING SURFACE

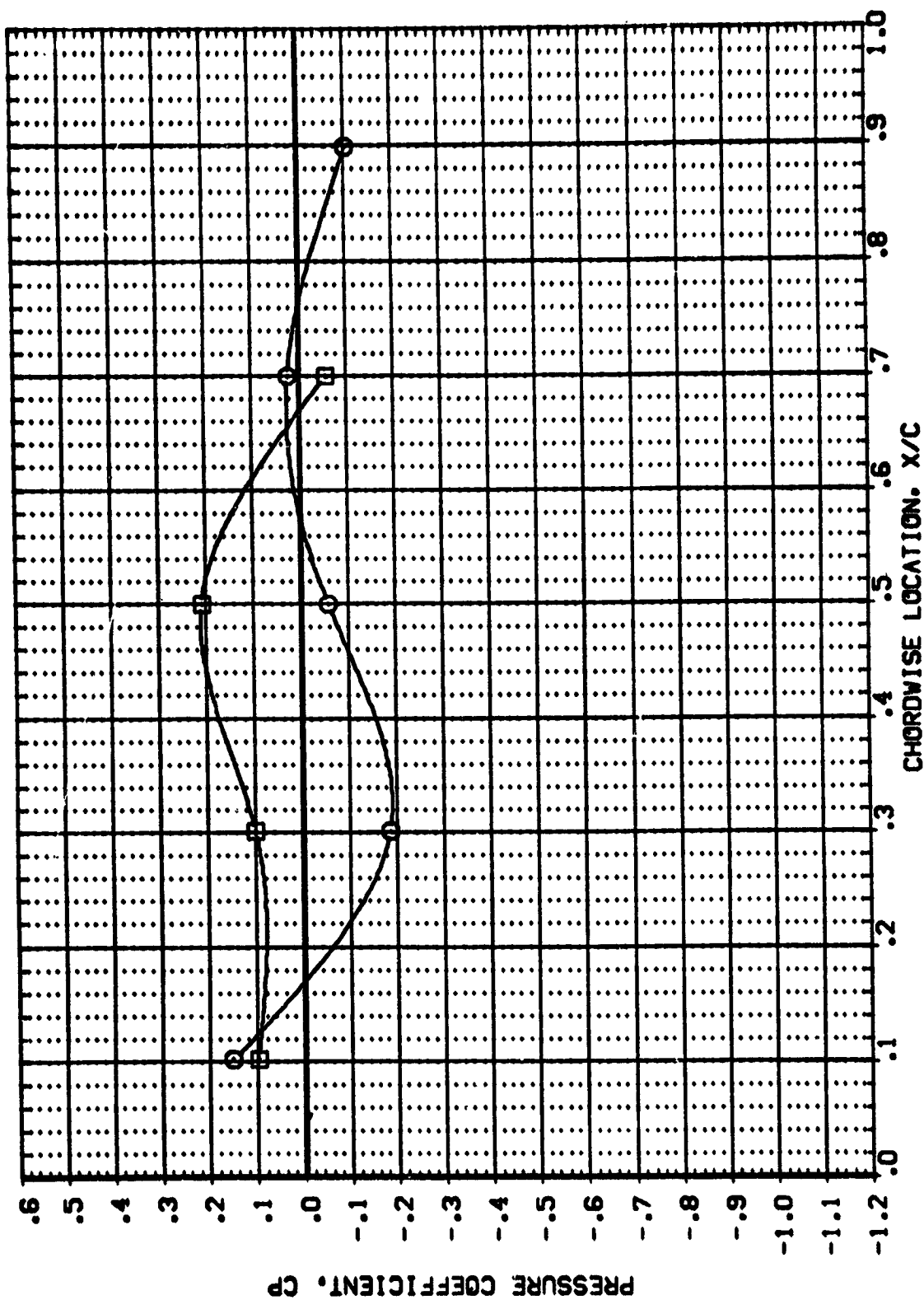


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.211 ALPHA = -3.910 $2Y/B = .500$

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DATA SET SYMBOL: 1A68 C1 F1
 [RF4L02] [RF4L02] BETA
 UPPER WING SURFACE .000
 LOWER WING SURFACE .000

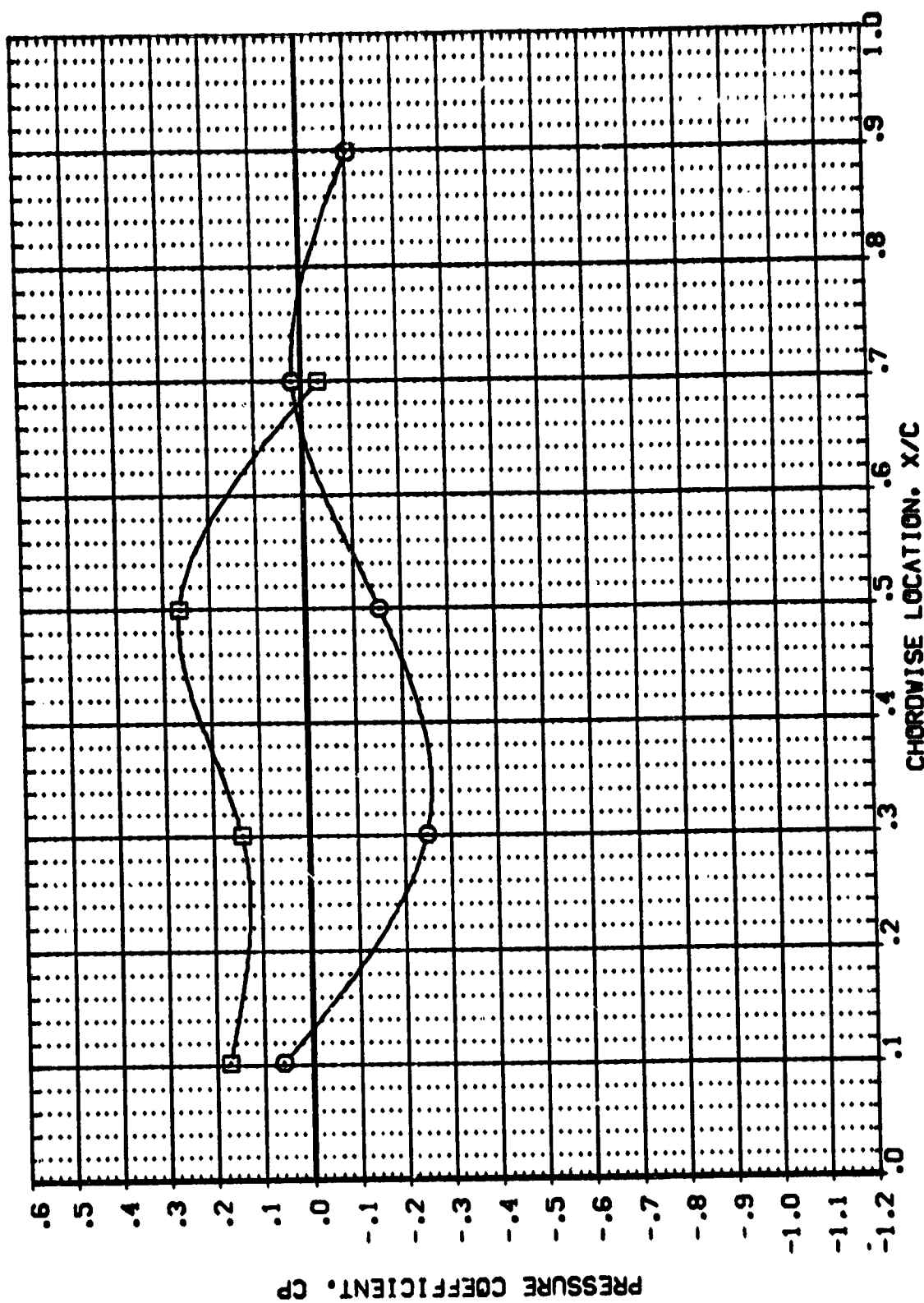


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.211 ALPHA = -1.830 $2Y/B = .500$

DATA SET SYMBOL. CONFIGURATION DESCRIPTION

UPPER WING SURFACE
LOWER WING SURFACE

BETA

.000
.000

1A88 C1 F1
1A88 C1 F1

□

(REF4LOZ)
(REF4LOZ)

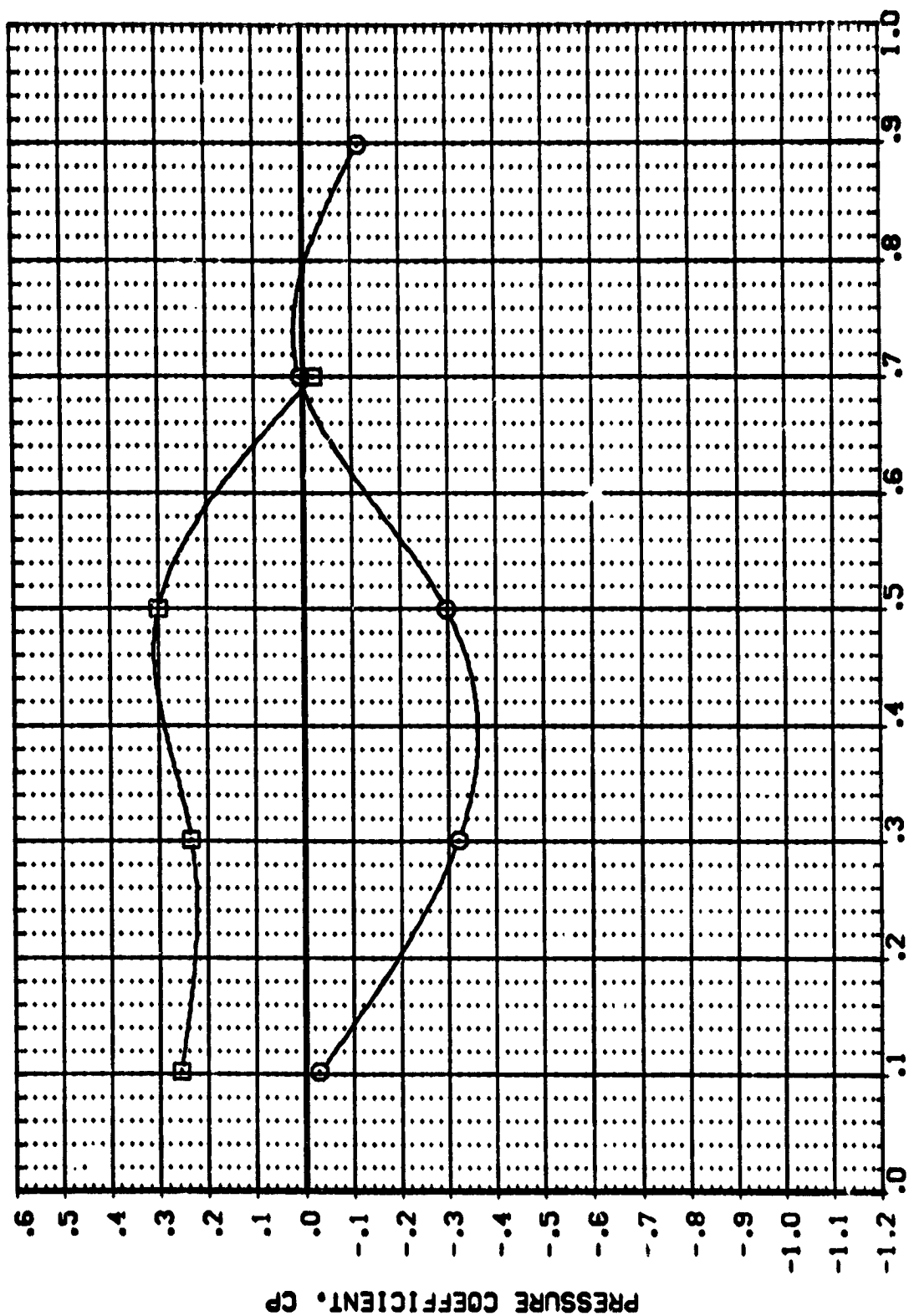


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.211 ALPHA = .150 $2Y/B = .500$

DATA SET SYMBOL: **9** CONFIGURATION DESCRIPTION: **UPPER WING SURFACE** BETA: **.000**
 (REF 4102) **1A58 C1 F1** LOWER WING SURFACE: **.000**
 (REF 4102) **1A58 C1 F1**

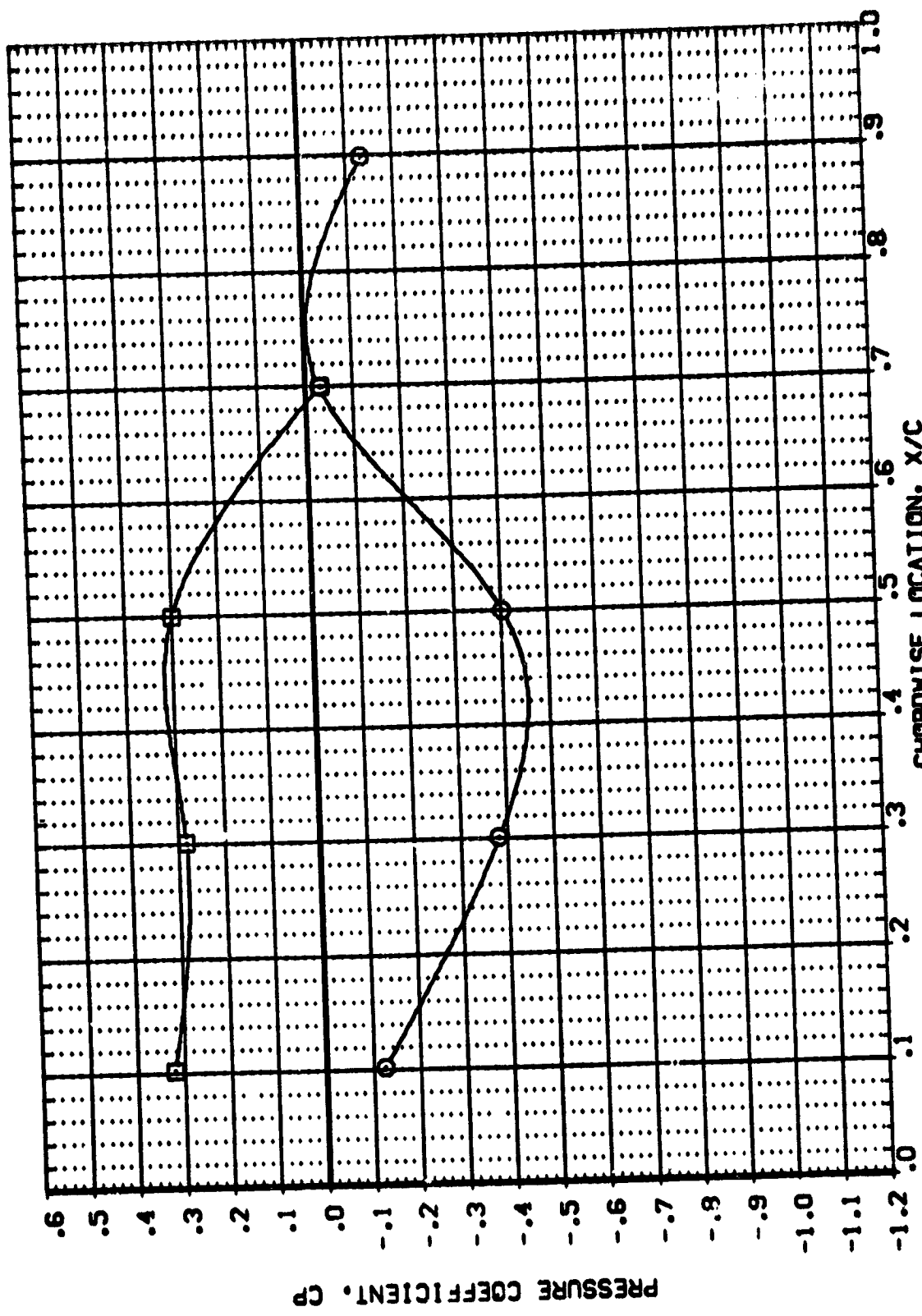


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.211 ALPHA = 2.120 $2Y/B = .500$



DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1A88 C1 F1**
1A88 C1 F1

BETA: **.000**
 UPPER WING SURFACE: **.000**
 LOWER WING SURFACE: **.000**

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

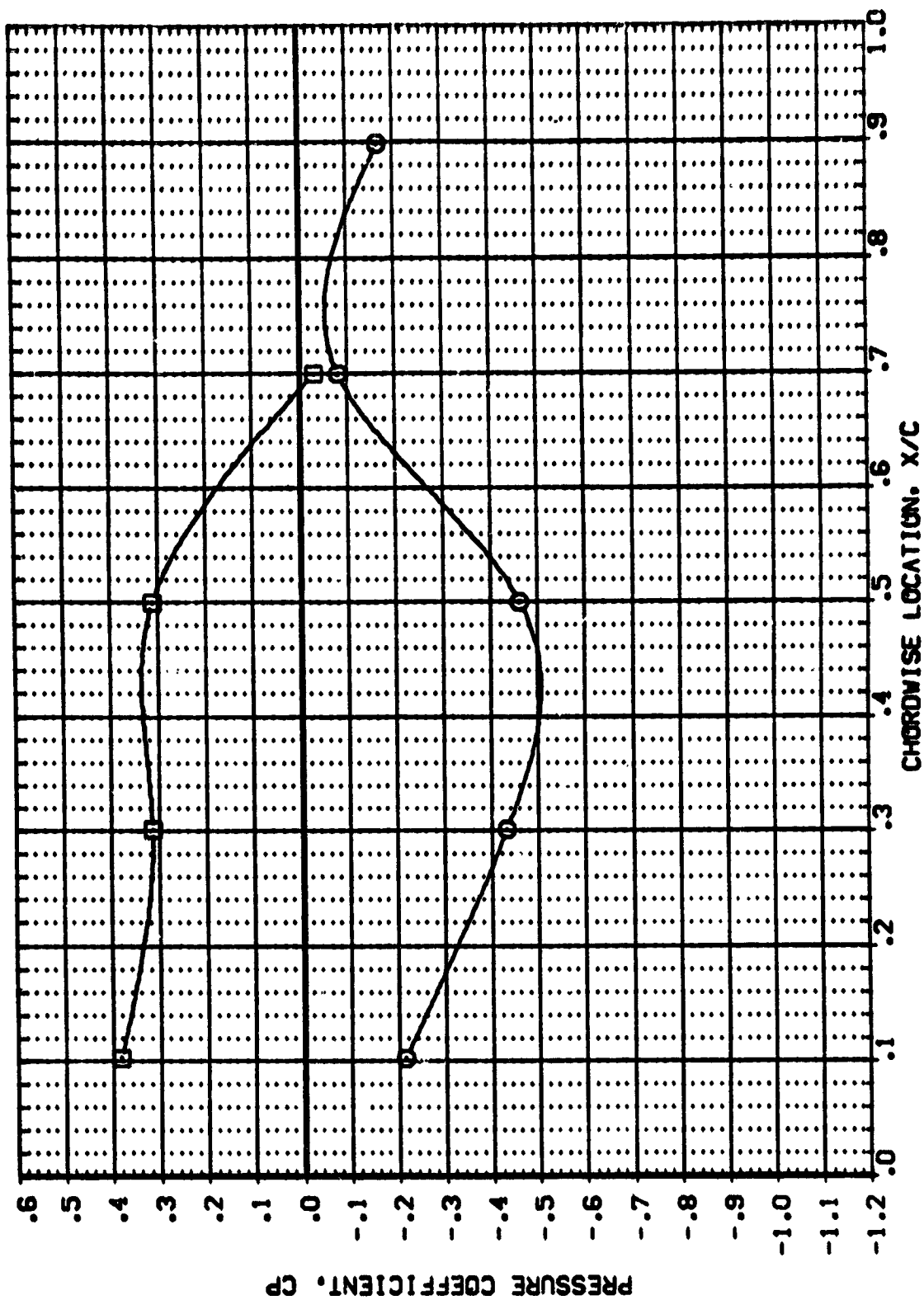


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.211 ALPHA = 4.030 $2Y/B = .500$

BETA
.000

UPPER WING SURFACE
LOWER WING SURFACE

DATA SET SYMBOL: 8
CONFIGURATION DESCRIPTION: 1A58 C1 F1
1A58 C1 F1

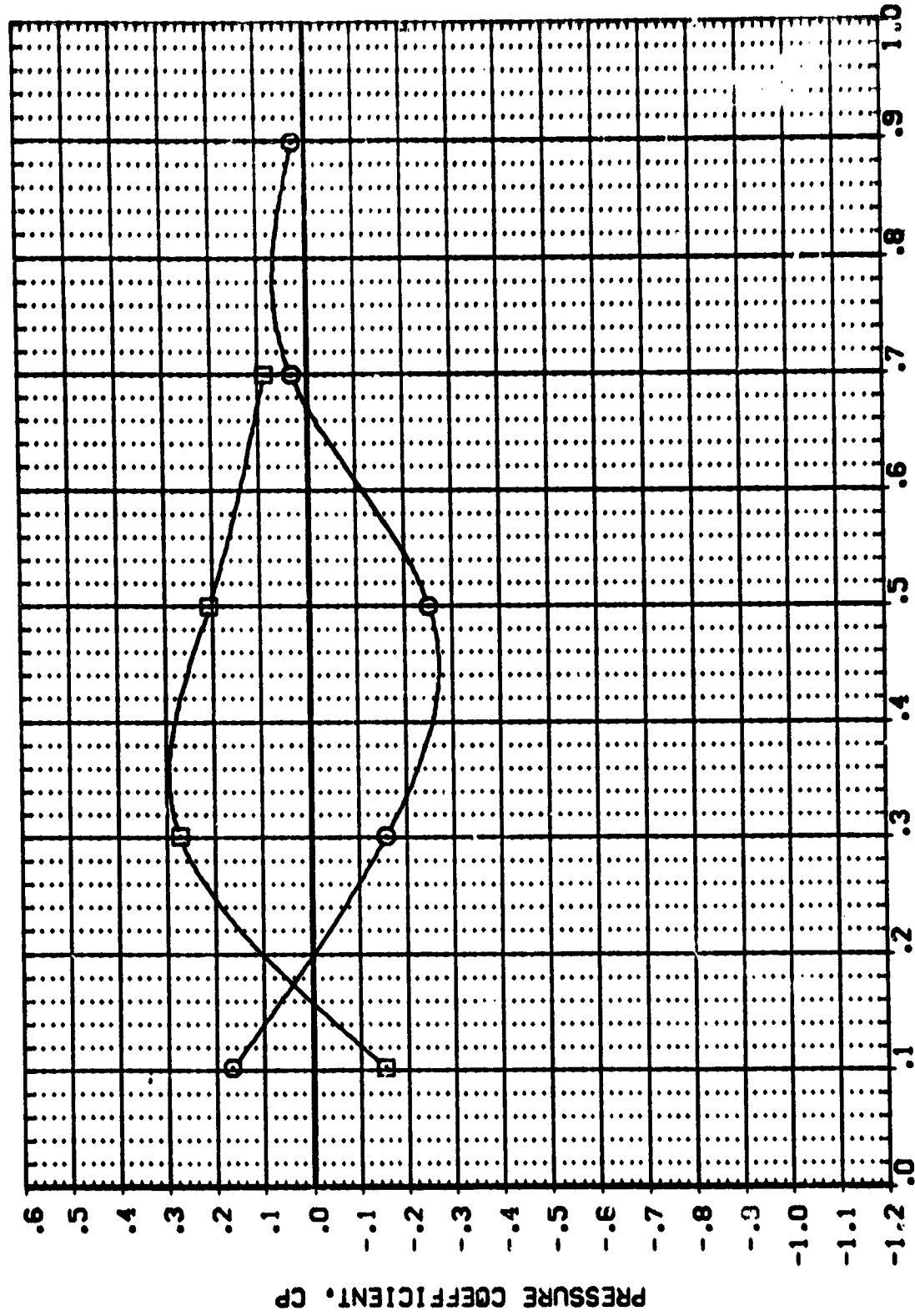


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.503 ALPHA = -3.890 2Y/B = .500



DATA SET SYMBOL: [RE4L02] [RE4L02]
 CONFIGURATION DESCRIPTION: [AGB C1 F1] [AGB C1 F1]

BETA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

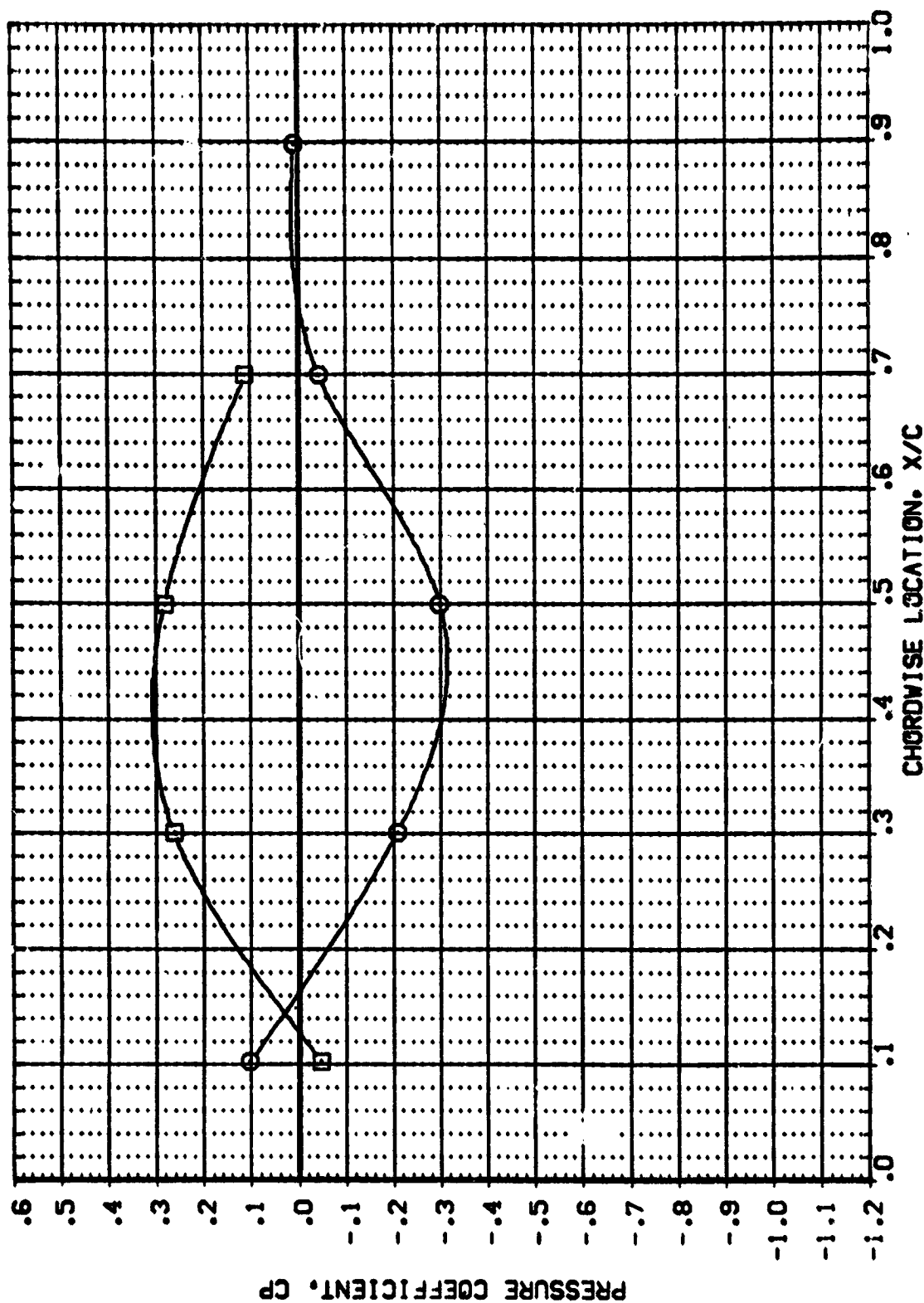


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.503 ALPHA = -1.690 $2Y/B = .500$

DATA SET SYMB. CONFIGURATION DESCRIPTION
 [R4L02] [A68 C1 F1]
 [R4L02] [A68 C1 F1]

BETA
 UPPER WING SURFACE .000
 LOWER WING SURFACE .000

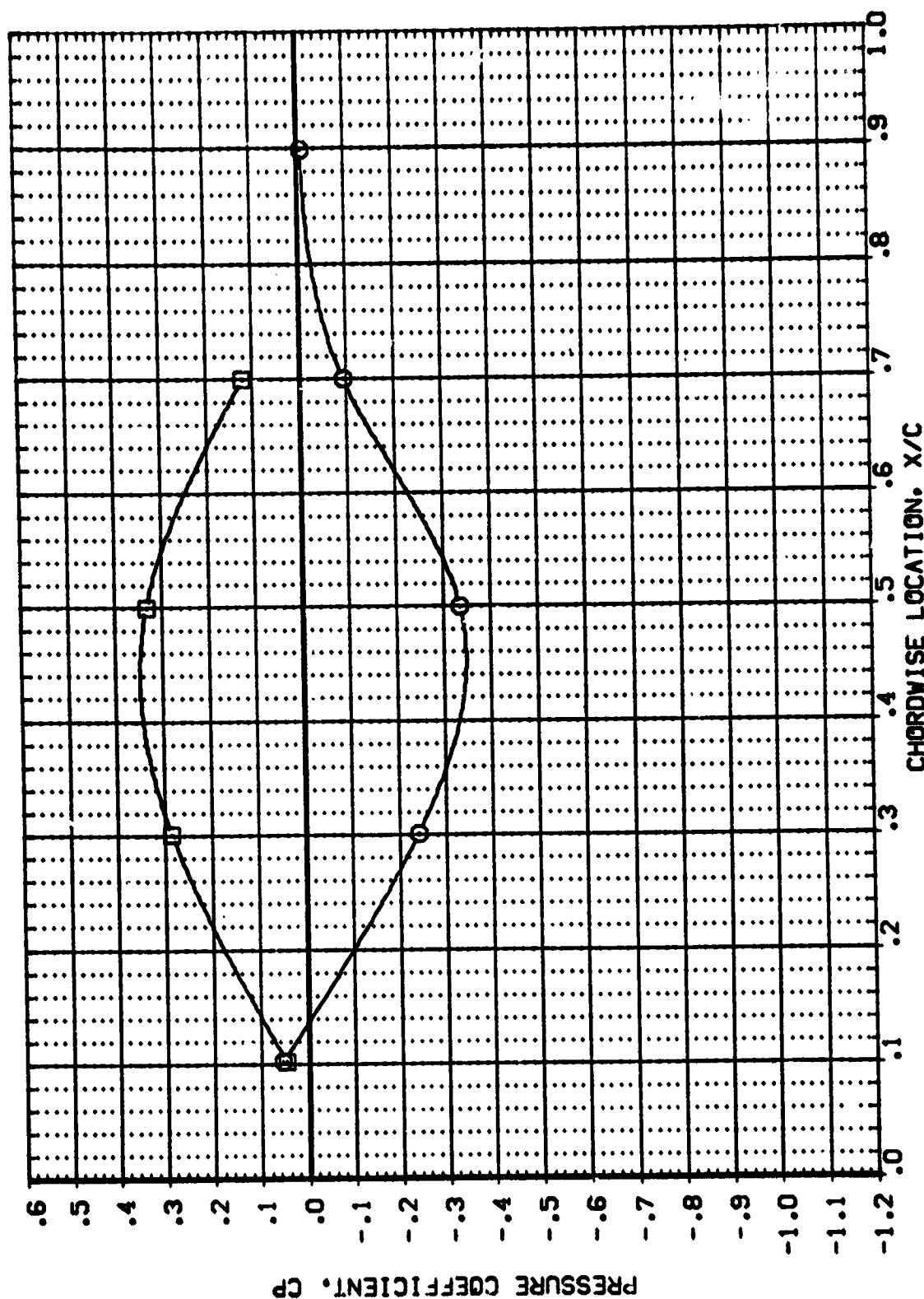


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.503 ALPHA = .120 $2Y/B = .500$



DATA SET SYMBOL. CONFIGURATION DESCRIPTION
 {R4L02} [A58 C1 F1]
 {R4L02} [A58 C1 F1]

BETA
 .000
 .000
 UPPER WING SURFACE
 LOWER WING SURFACE

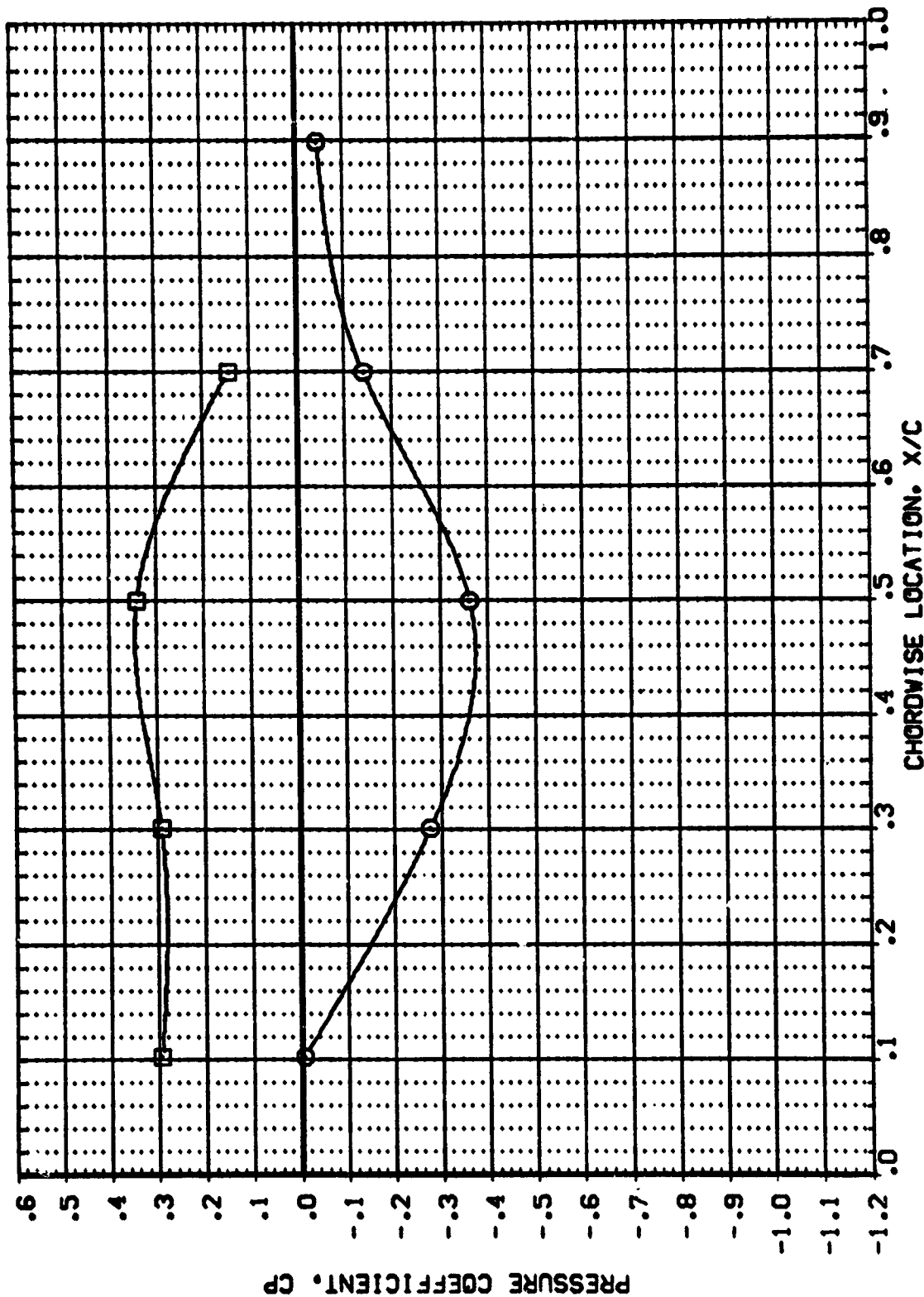


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.503 ALPHA = 2.010 $2Y/B = .500$

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATA SET SYMBOL: 1A68 C1 F1
 (RF4L02) 1A68 C1 F1

CONFIGURATION DESCRIPTION: UPPER WING SURFACE
 LOWER WING SURFACE

BETA: .000 .000

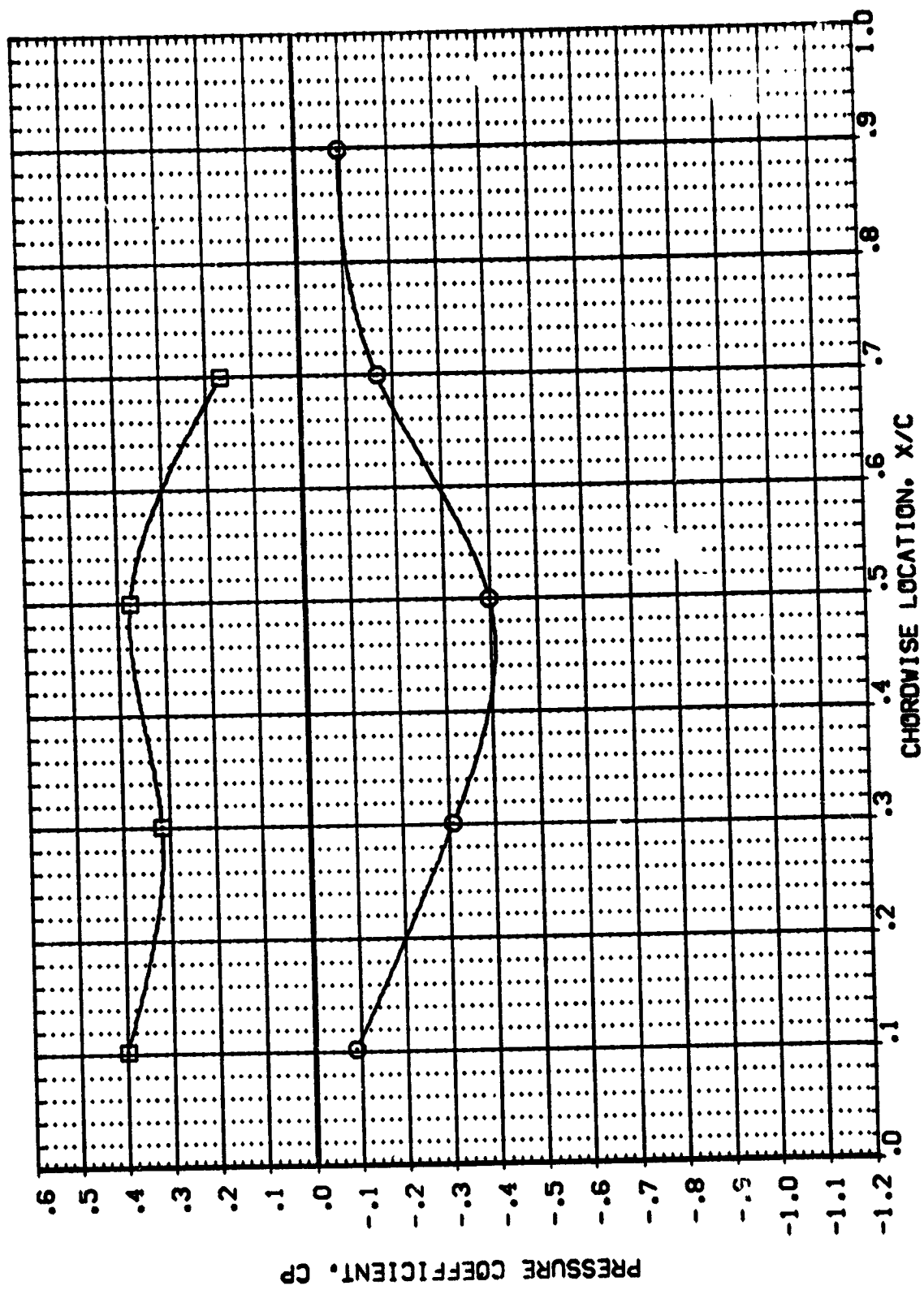


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.503 ALPHA = 3.950 $2Y/B = .500$



DATA SET SYMBOL. CONFIGURATION DESCRIPTION BETA
 (RF4L02) IASB C1 F1 UPPER WING SURFACE .000
 (RF4L02) IASB C1 F1 LOWER WING SURFACE .000

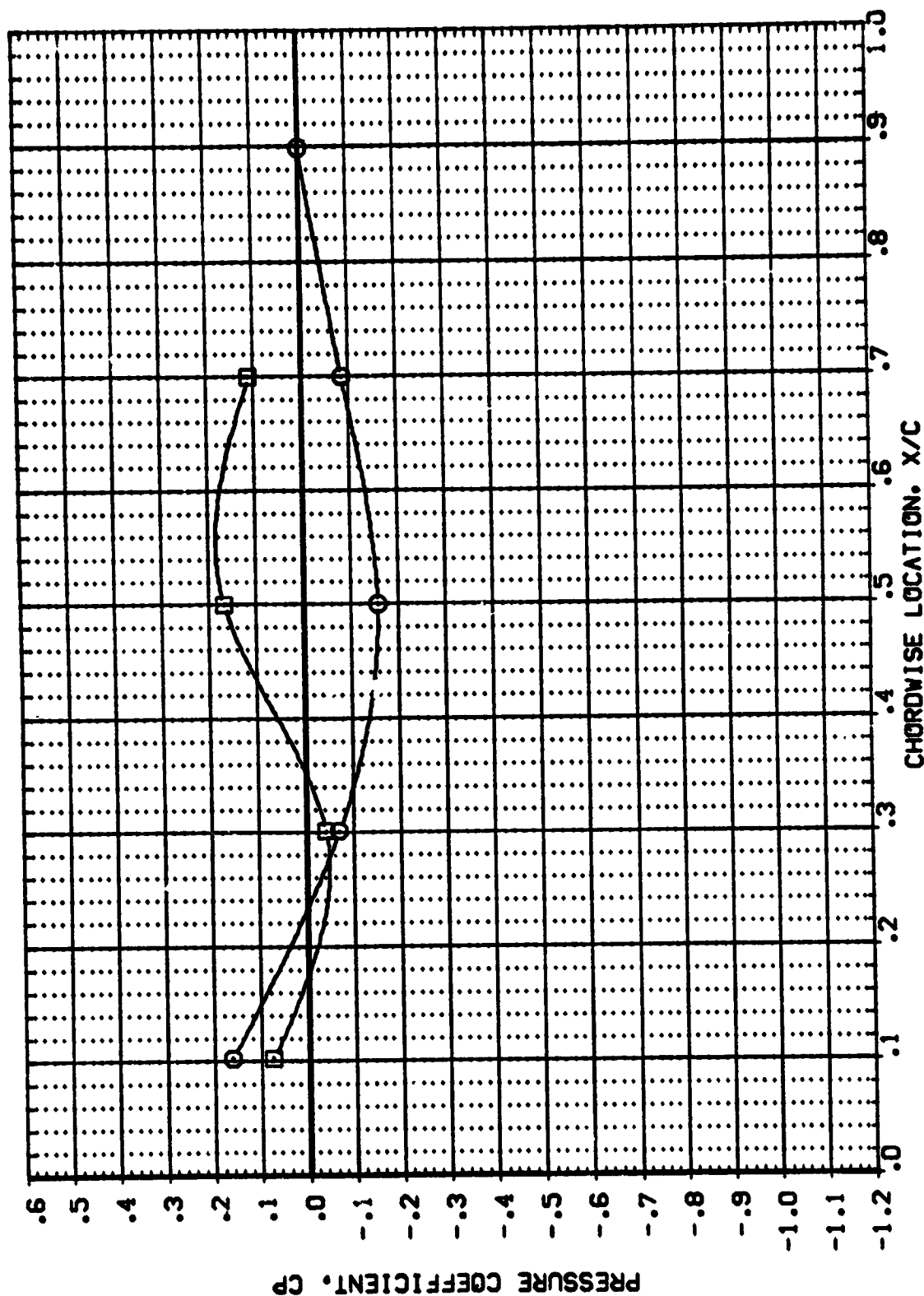


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.991 ALPHA = -3.770 $2Y/B = .500$

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATA SET SYMB. CONFIGURATION DESCRIPTION BETA
 (R4102) 1A68 C1 F1 UPPER WING SURFACE .000
 (R4102) 1A68 C1 F1 LOWER WING SURFACE .000

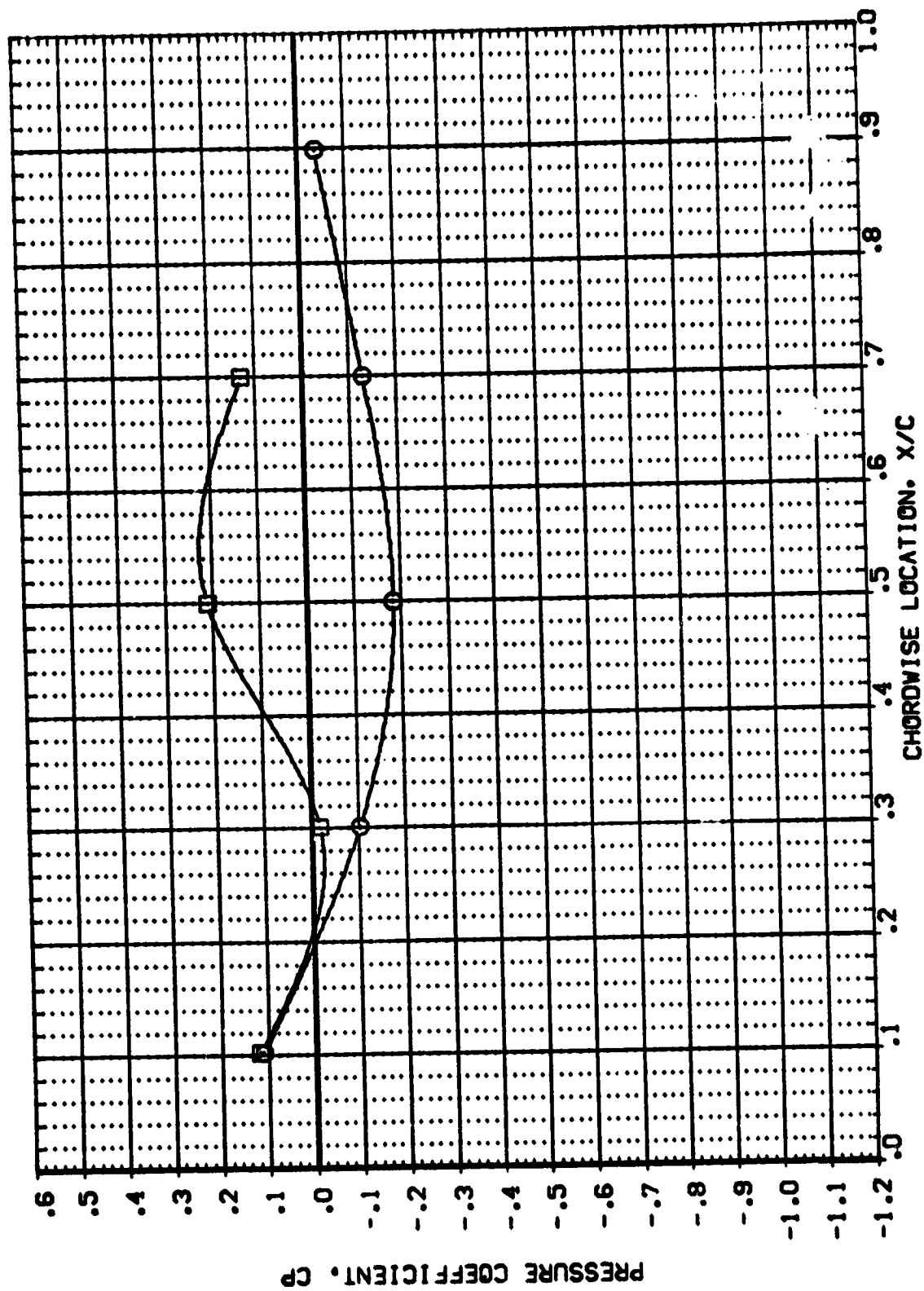


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.991 ALPHA = -1.960 $2Y/B = .500$



DATA SET SYMBOL: 1A58 C1 F1
 CONFIGURATION DESCRIPTION: UPPER WING SURFACE
 LOWER WING SURFACE

BETA: .000
 .000

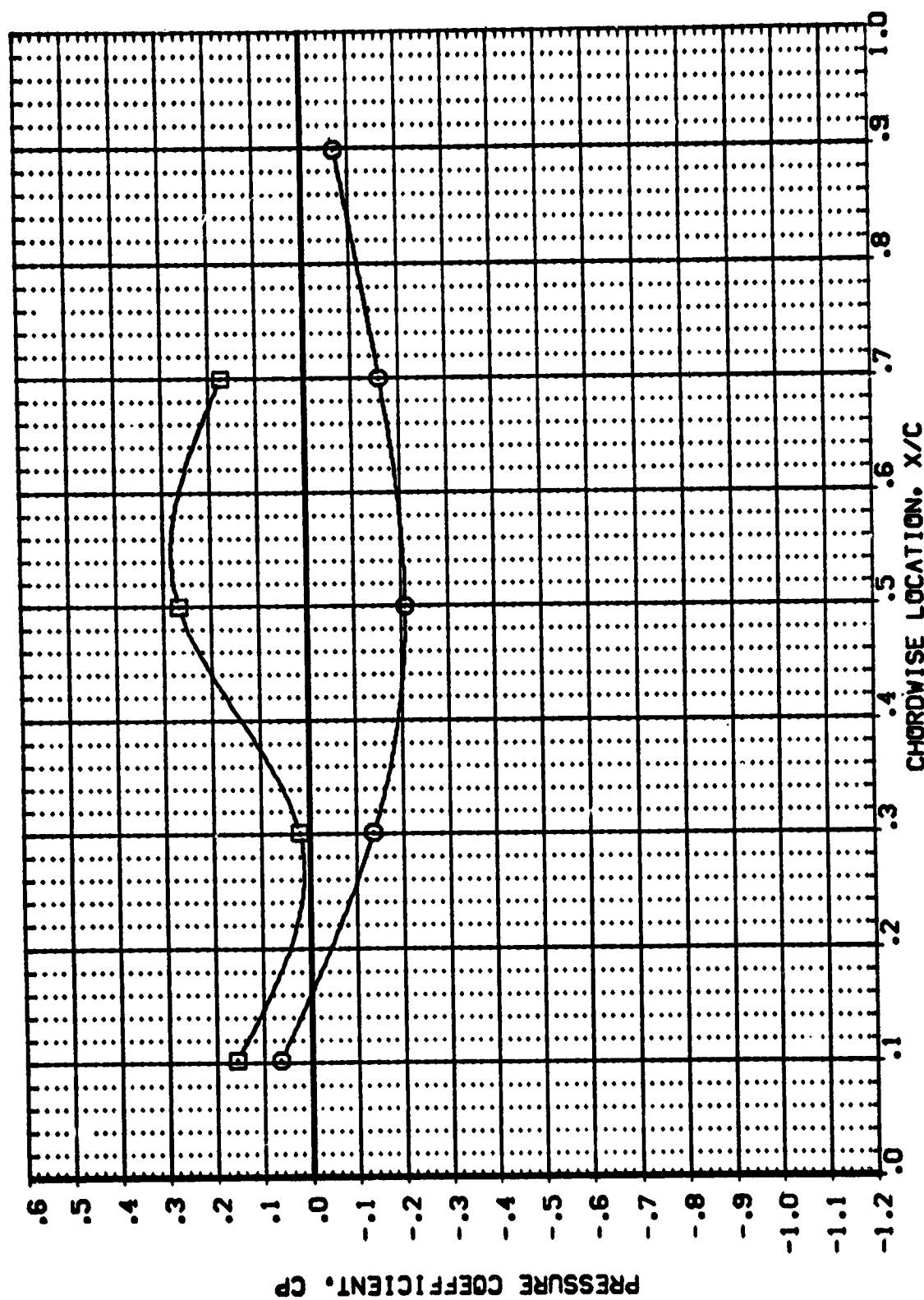


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.991 ALPHA = .020 $2Y/B = .500$

DATA SET SYMBOL: 8
 (REF: 402)
 (REF: 402)

CONFIGURATION DESCRIPTION:
 UPPER WING SURFACE
 LOWER WING SURFACE

BETA

.000
 .000

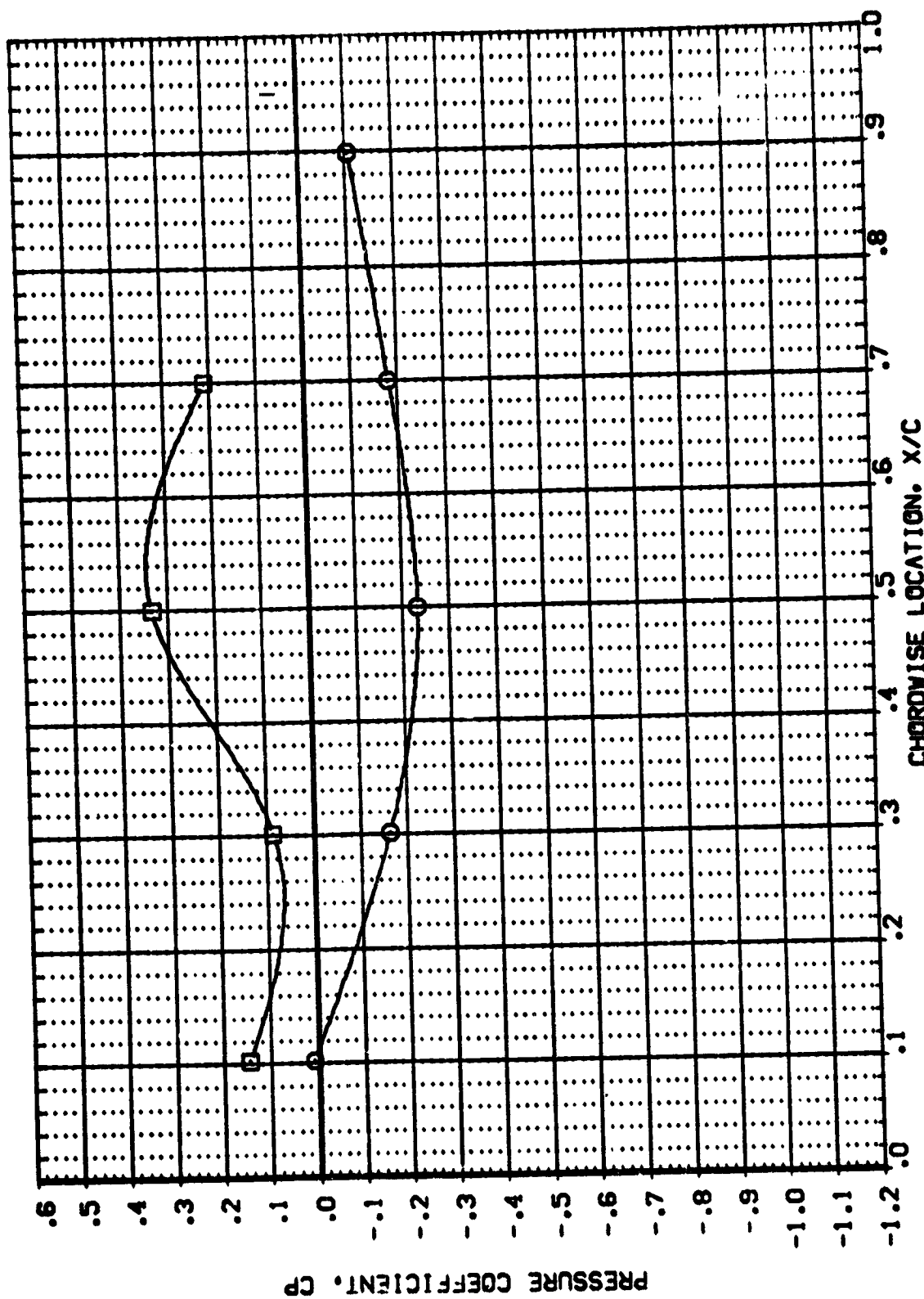


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.991 ALPHA = 2.050 $2Y/B = .500$



DATA SET SYMBL. CONFIGURATION DESCRIPTION
 (REF402) [A88 C1 F1]
 (REF402) [A88 C1 F1]

BETA
 UPPER WING SURFACE .000
 LOWER WING SURFACE .000

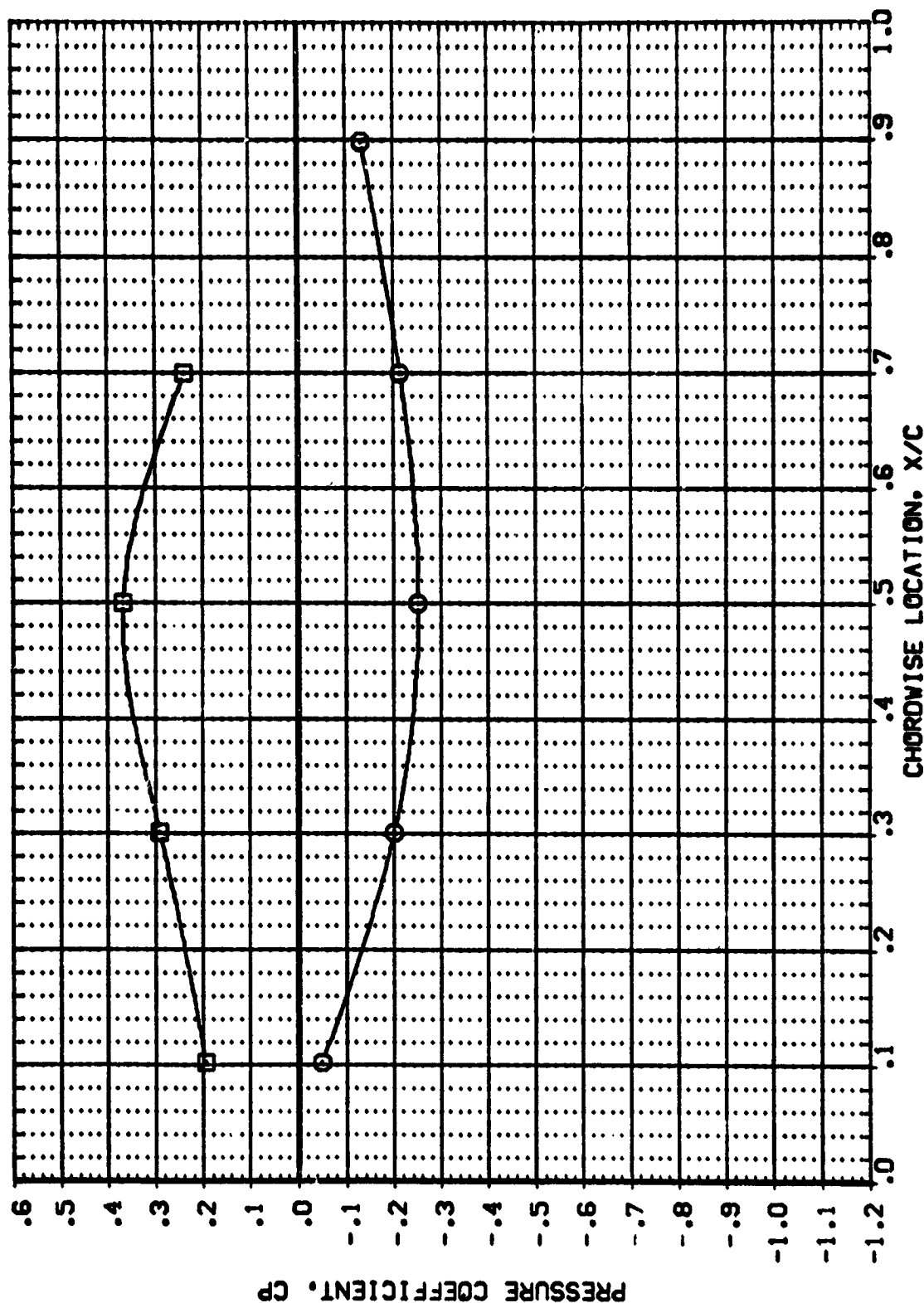


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.991 ALPHA = 4.050 $2Y/B = .500$

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATA SET SYMBOL: [RE4L03] [RE4L03] ALPHA: .000 .000
 CONFIGURATION DESCRIPTION: UPPER WING SURFACE LOWER WING SURFACE

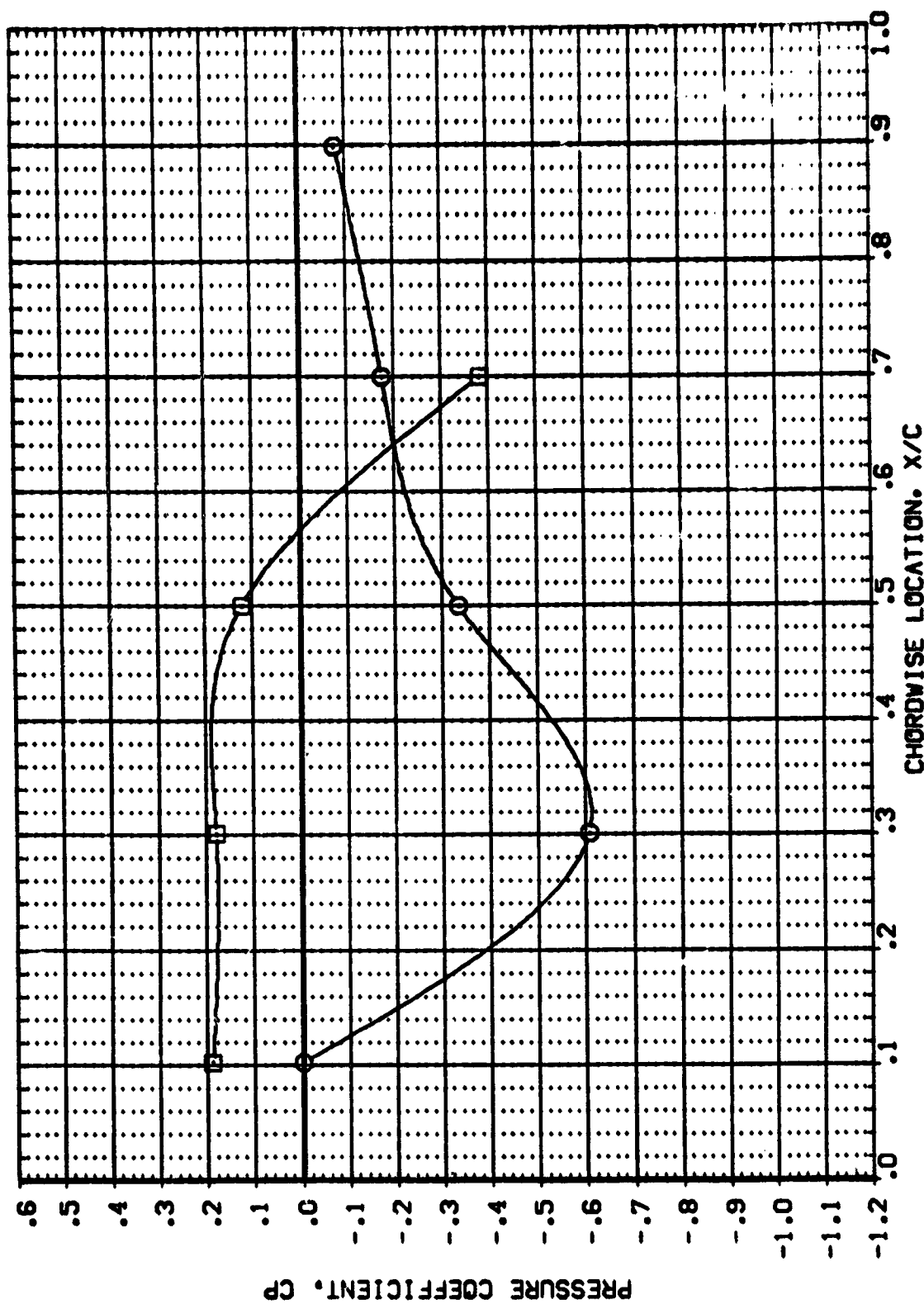


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = .899 BETA = -3.750 $2Y/B = .500$



DATA SET SYMBO. CONFIGURATION DESCRIPTION ALPHA
 (NF4U03) [] 1A88 C1 F1 UPPER WING SURFACE .000
 (NF4U03) [] 1A88 C1 F1 LOWER WING SURFACE .000

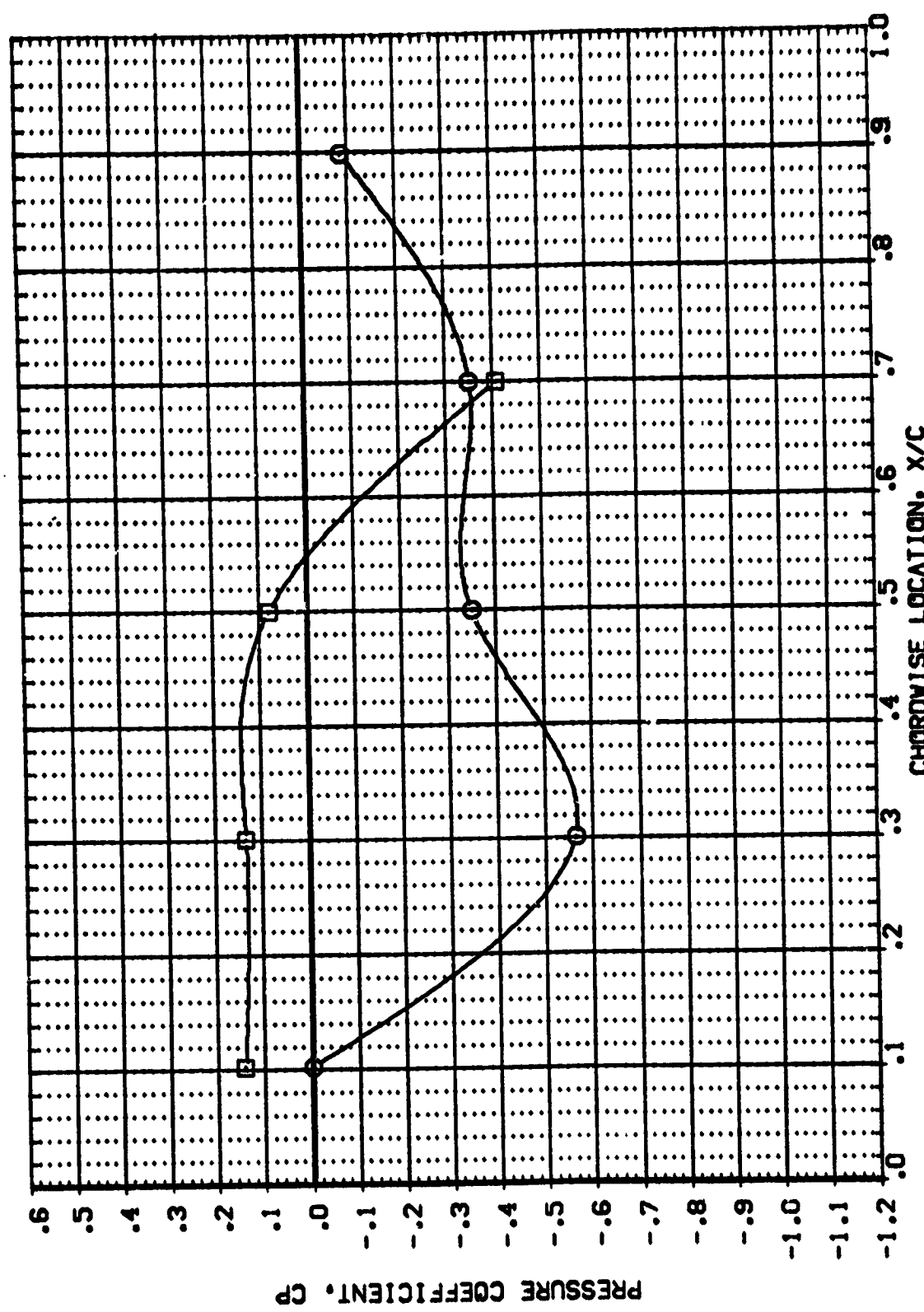


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = .899 BETA = -1.860 $2Y/B = .500$

DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA UPPER WING SURFACE LOWER WING SURFACE

{ RF4L03 } { ASB C1 F1 } .000 .000

{ RF4L03 } { ASB C1 F1 }

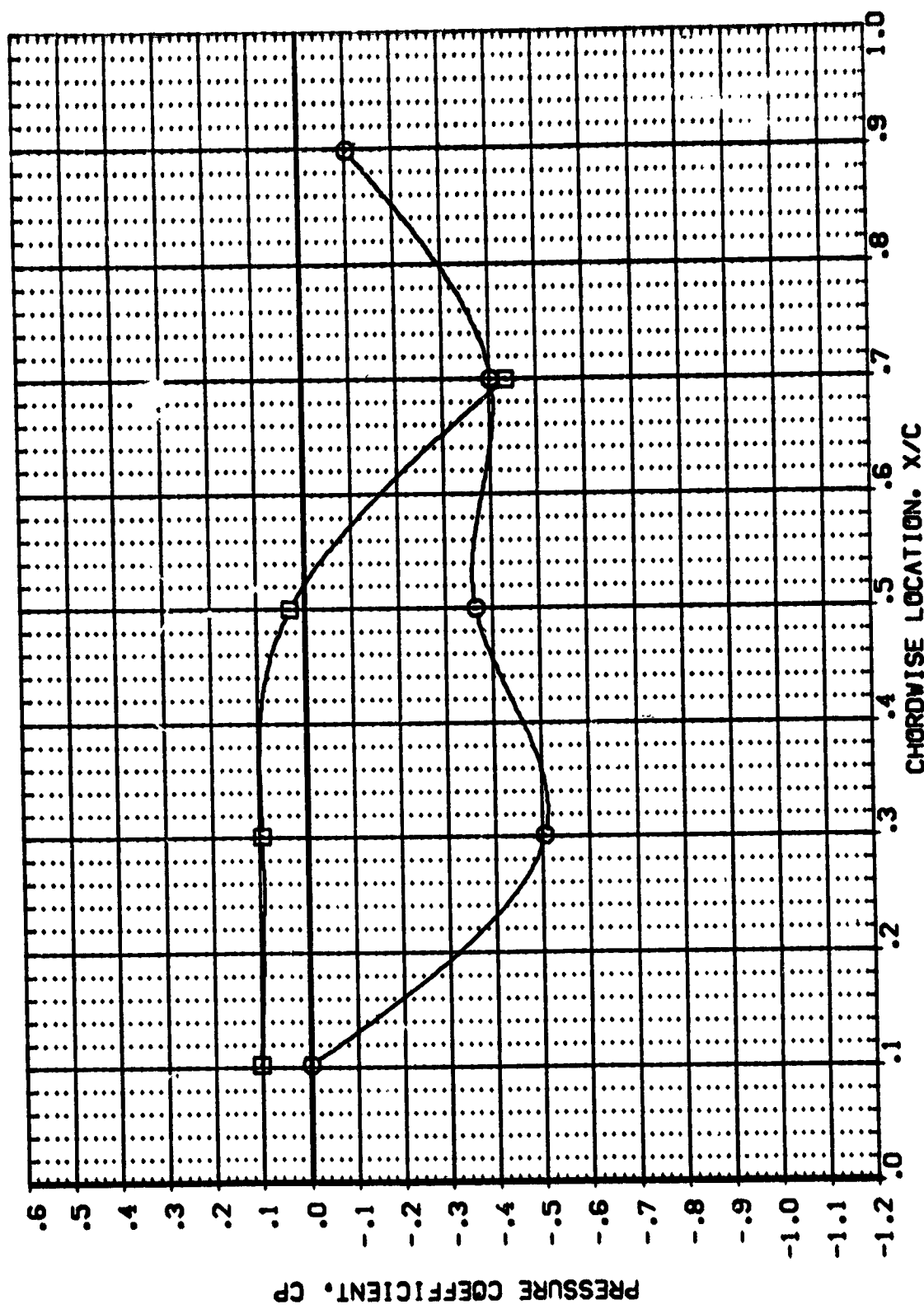


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = .899 BETA = .050 $2Y/B = .500$ PAGE 24



DATA SET SYMBOL (NF4LO3) (NF4LO3)
 1A88 C1 F1 1A88 C1 F1

CONFIGURATION DESCRIPTION
 UPPER WING SURFACE
 LOWER WING SURFACE

ALPHA

.000
 .000

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

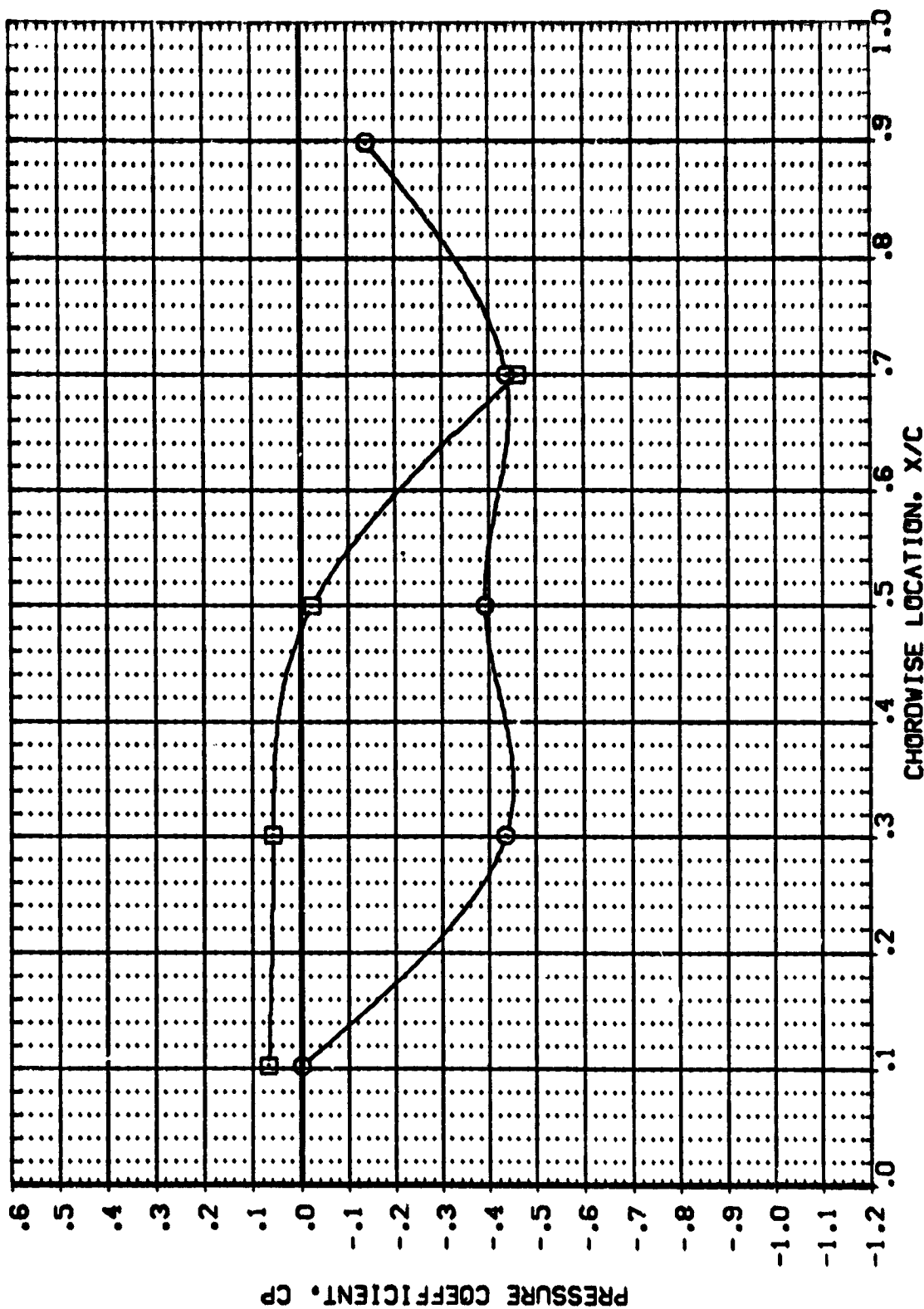


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = .899 BETA = 1.970 $2Y/B = .500$

DATA SET SYMBOL: (RF4L03) (RF4L03) ALPHA: .000
 CONFIGURATION DESCRIPTION: UPPER WING SURFACE LOWER WING SURFACE

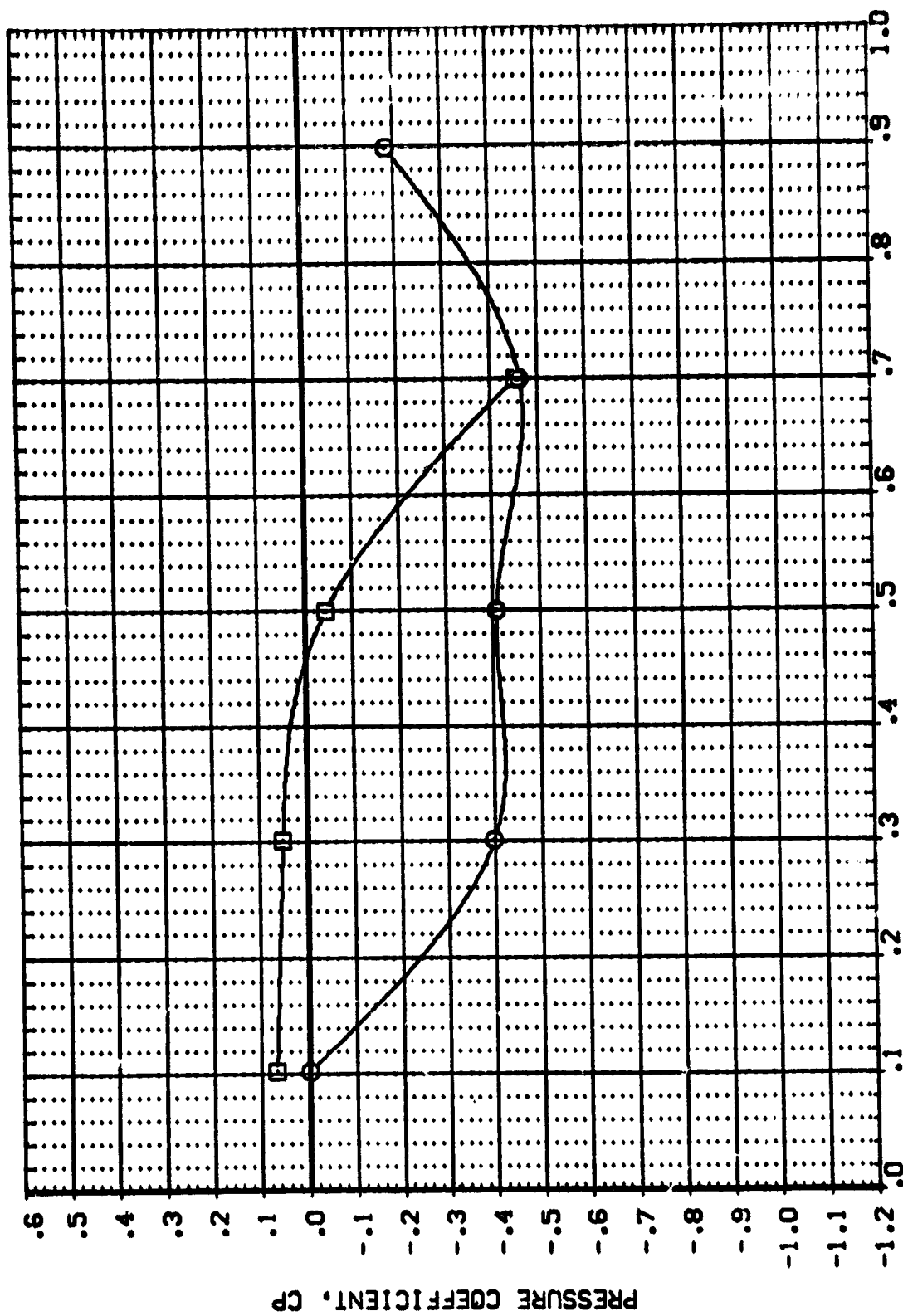


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = .639 BETA = 3.970 $2Y/B = .500$

DATA SET SYMBOL: (RF403)
 (RF403) 1AGB C1 F1
 1AGB C1 F1

CONFIGURATION DESCRIPTION:
 UPPER WING SURFACE
 LOWER WING SURFACE

ALPHA
 .000
 .000

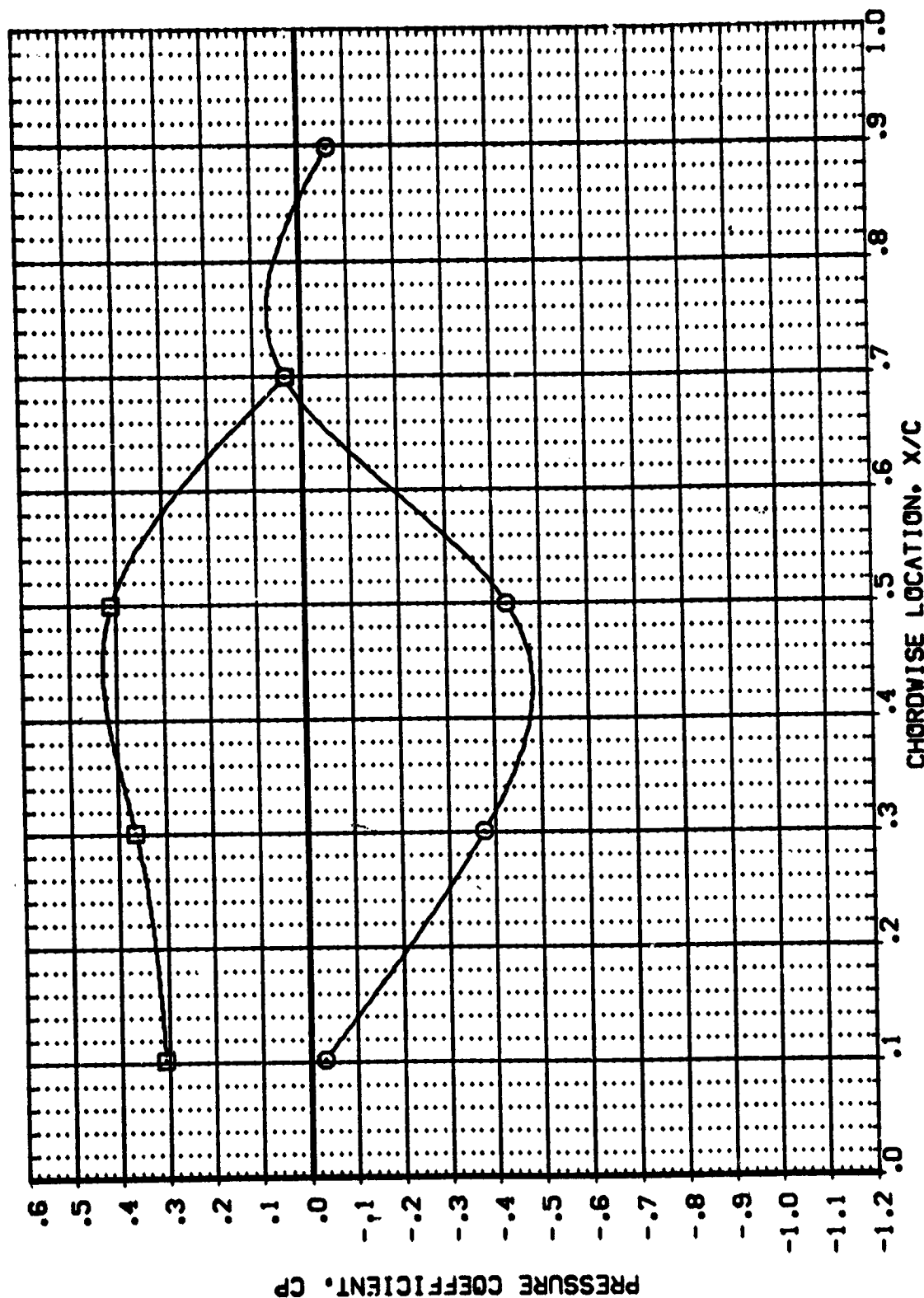


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.211 BETA = -3.850 $2Y/B = .500$

DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1A58 C1 F1** ALPHA: **.000**
 (REF 4U03) (REF 4U03) UPPER WING SURFACE: **.000**
 LOWER WING SURFACE: **.000**

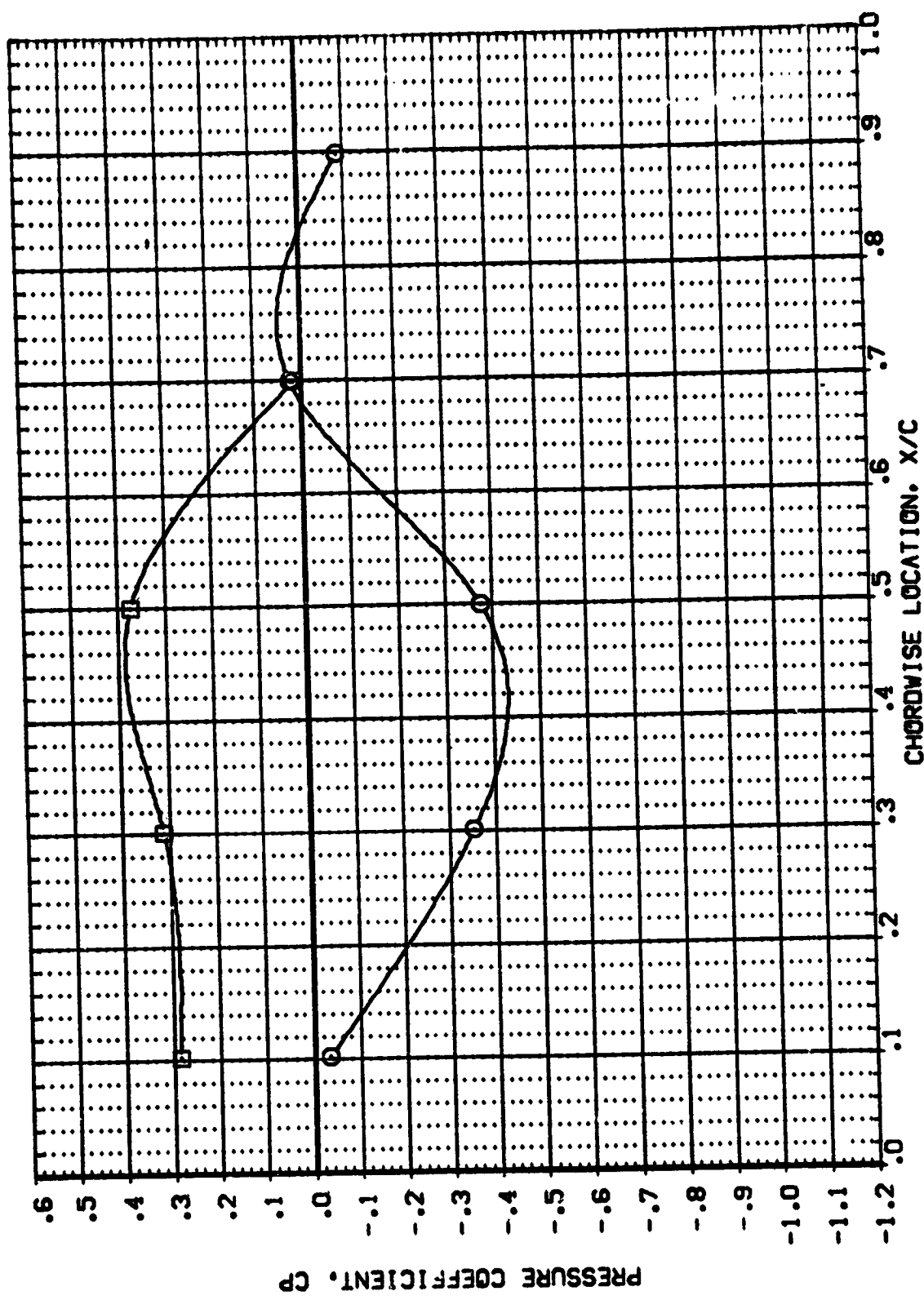


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.211 BETA = -1.900 $2Y/B = .500$



DATA SET SYMBOL: (RF4L03)
 CONFIGURATION DESCRIPTION: IAGB C1 F1
 IAGB C1 F1

UPPER WING SURFACE: ALPHA .000
 LOWER WING SURFACE: .000

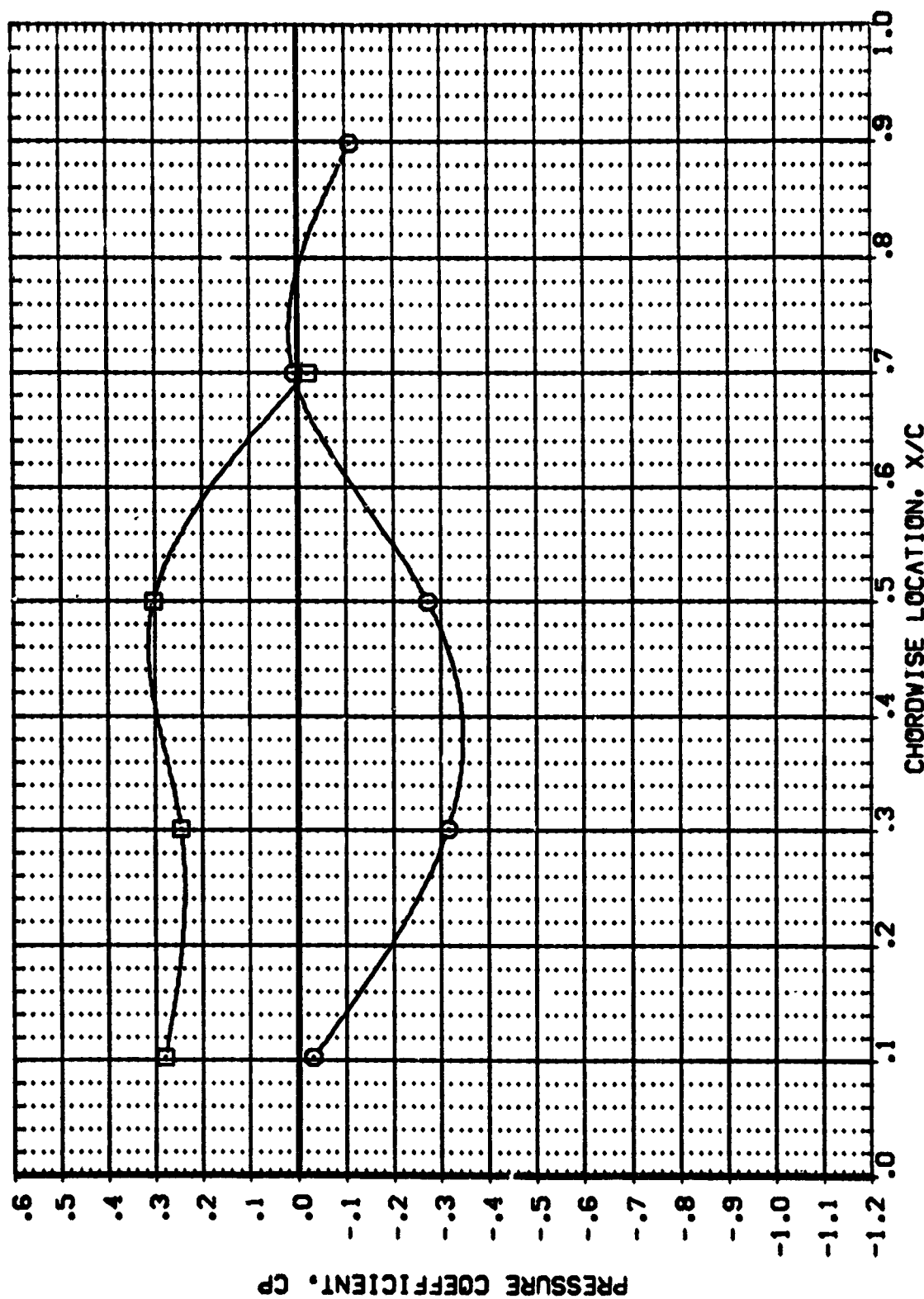


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.21; BETA = .000 $2Y/B = .500$

DATA SET SYMBOL: (RF4L03) ☐ ALPHA: .000
 CONFIGURATION DESCRIPTION: 1A58 C1 F1 UPPER WING SURFACE
 1A58 C1 F1 LOWER WING SURFACE

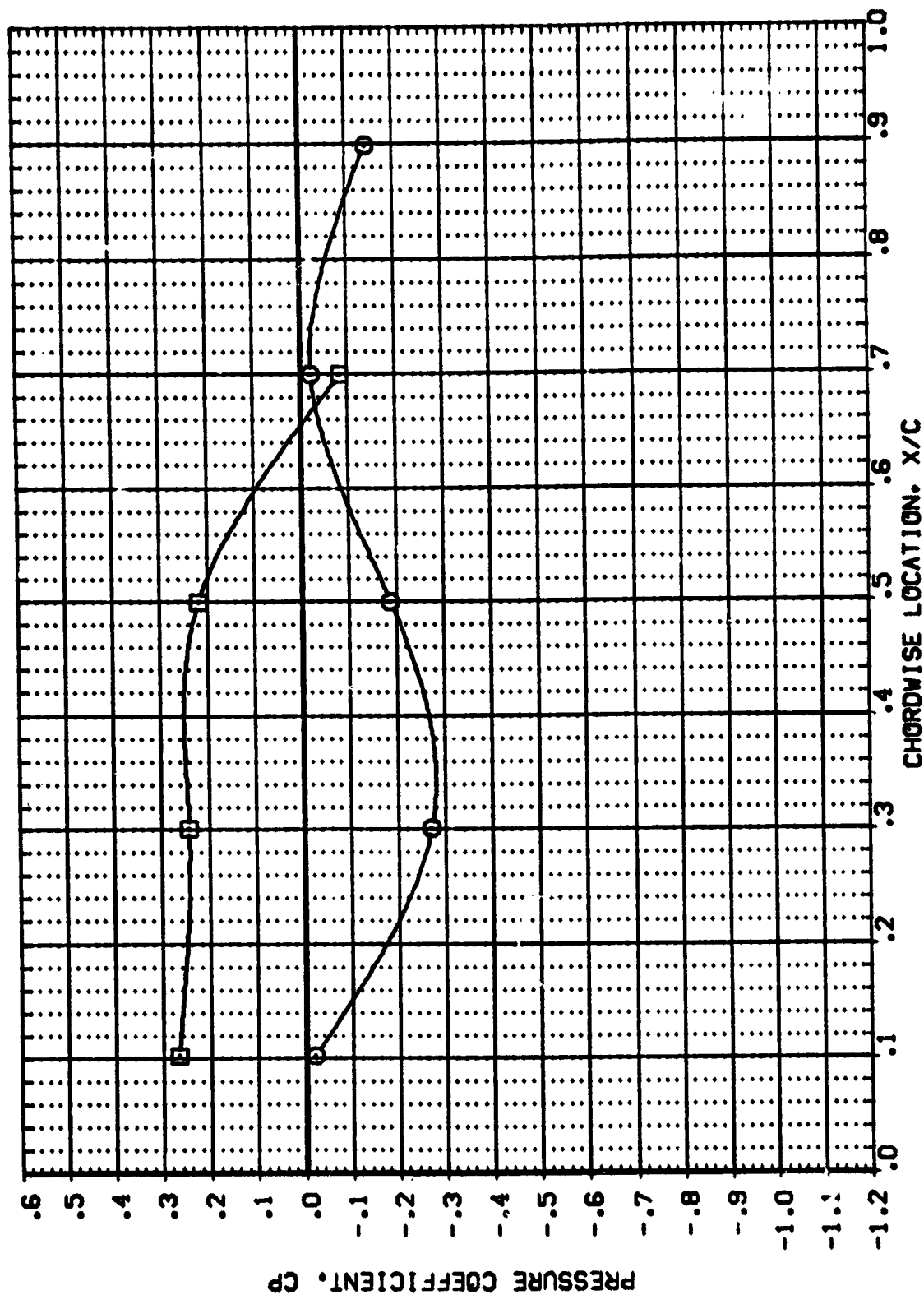


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.211 BETA = 1.900 $2Y/B = .500$



DATA SET SYMBO. CONFIGURATION DESCRIPTION
 (RFL003) 1A68 C1 F1
 (RFL003) 1A68 C1 F1

ALPHA .000
 UPPER WING SURFACE .000
 LOWER WING SURFACE .000

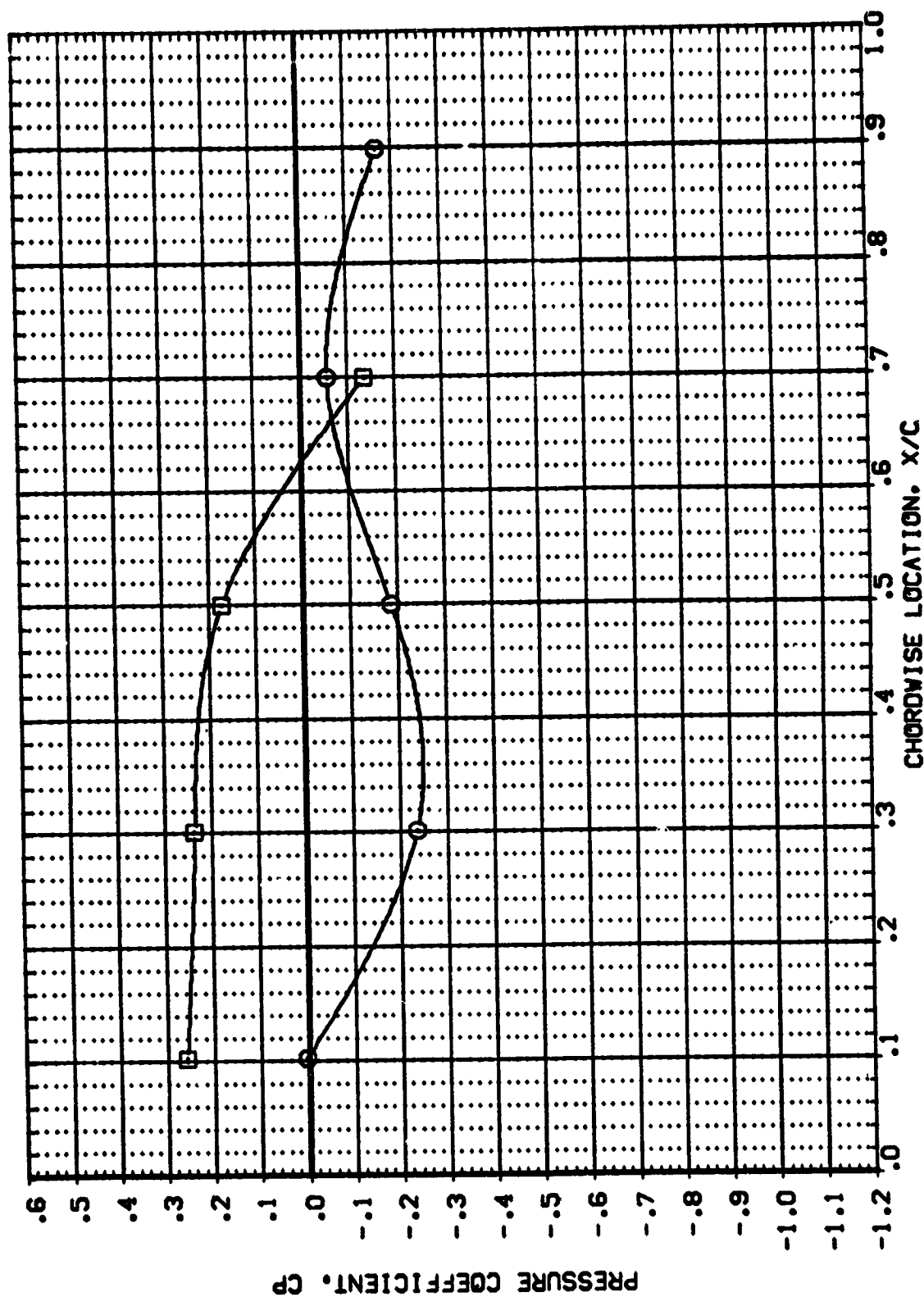


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.211 BETA = 3.920 $2Y/B = .500$

DATA SET SYMBOL: 8
 (REFLOG) 1A68 C1 F1
 (REFLOG) 1A68 C1 F1

CONFIGURATION DESCRIPTION

UPPER WING SURFACE
 LOWER WING SURFACE

ALPHA
 .000
 .000

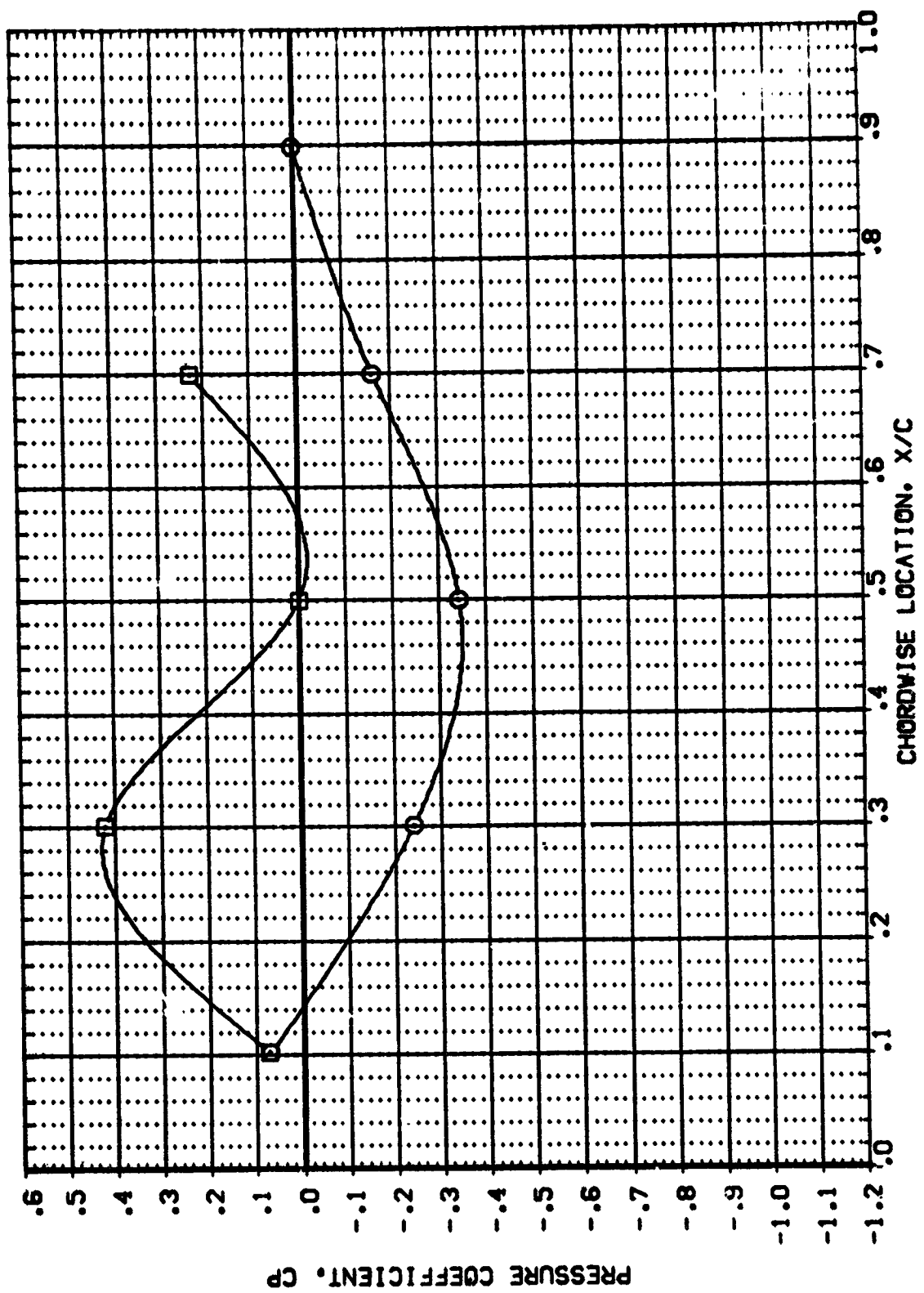


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.503 BETA = -3.910 $2Y/B = .500$



DATA SET SYMBOL: (RF4LO3)
 CONFIGURATION DESCRIPTION: 1A88 C1 F1
 1A89 C1 F1

ALPHA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

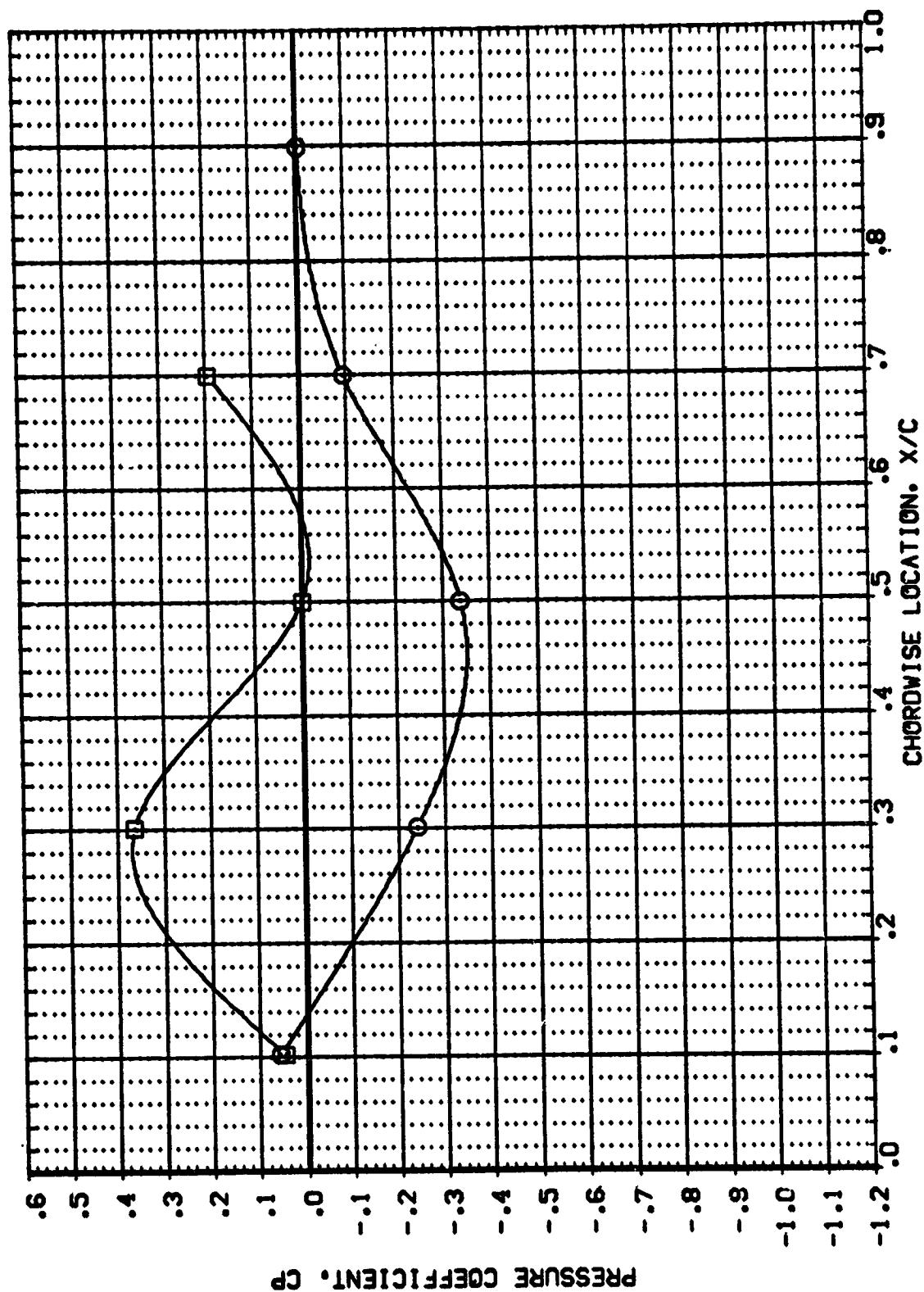


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.503 BETA = -1.980 $2Y/B = .500$

DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: **1A88 C1 F1** ALPHA: **.000**
 (REF4UG3) (REF4UG3) UPPER WING SURFACE LOWER WING SURFACE

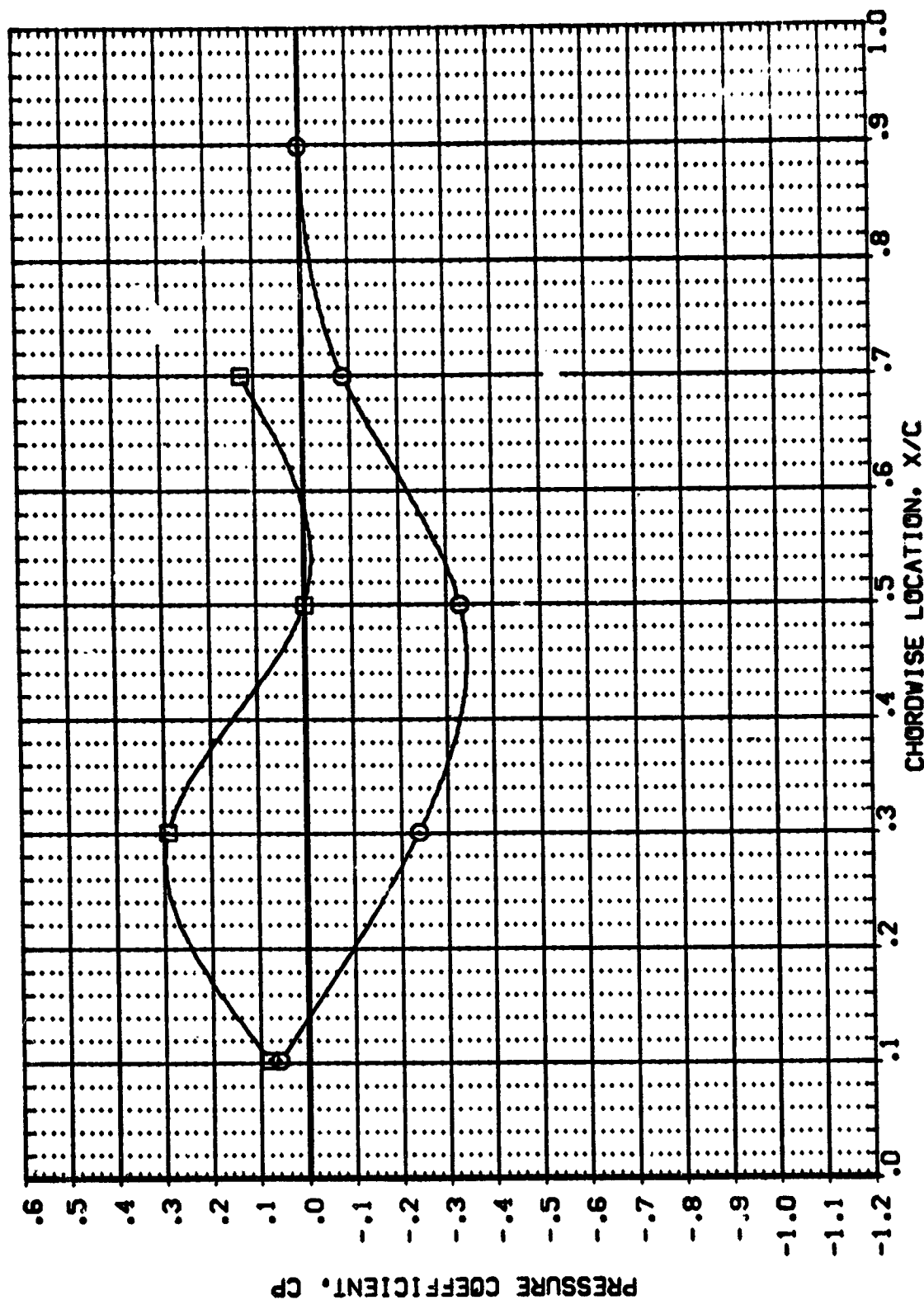


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.503 BETA = -0.070 $2Y/B = .500$



DATA SET SYMBOL: (RF4L03) (RF4L03) ALPHA: .000
 CONFIGURATION DESCRIPTION: 1A58 C1 F1 UPPER WING SURFACE
 1A58 C1 F1 LOWER WING SURFACE

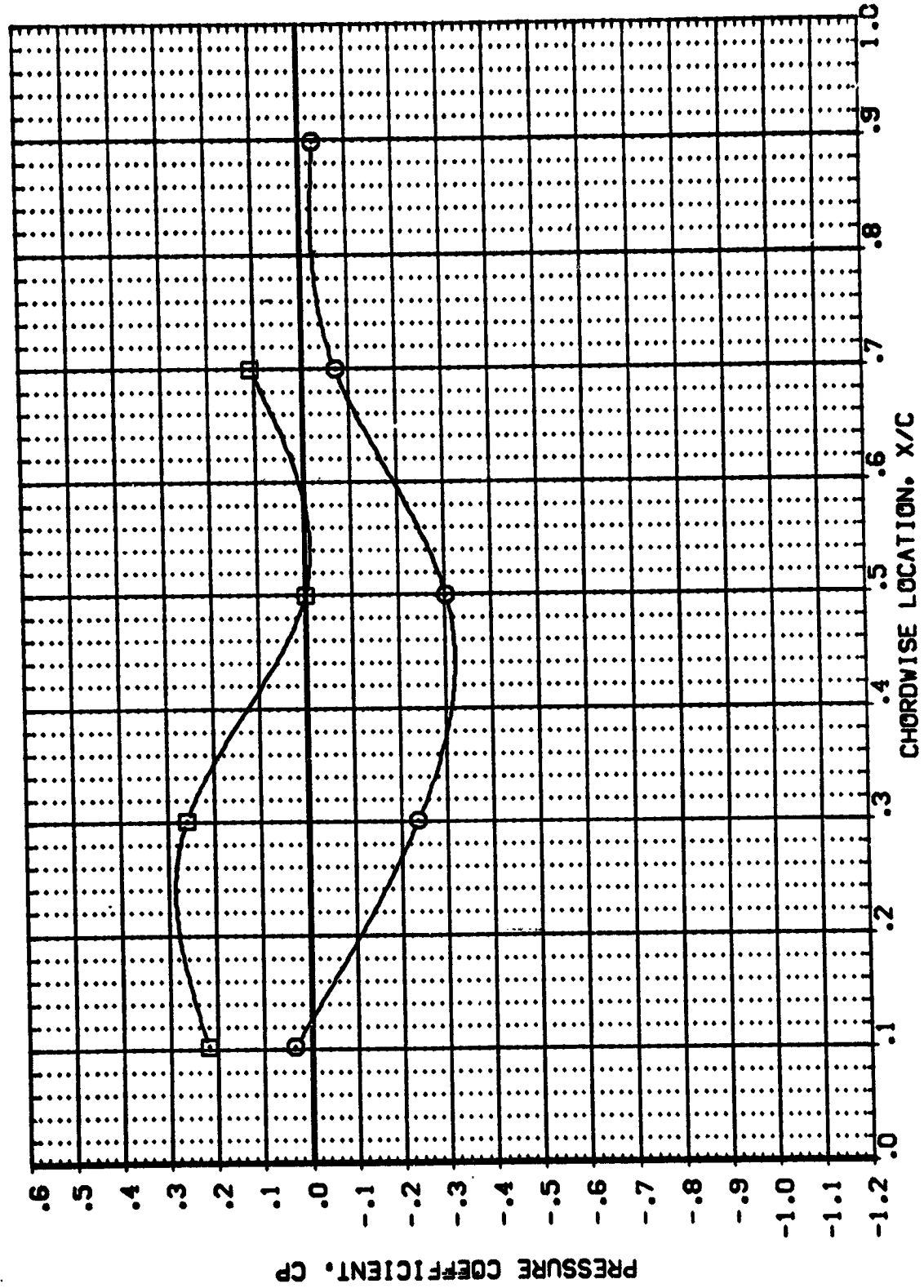


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.503 BETA = 1.910 2Y/B = .500

DATA SET SYMBOL: { RF4U03 } { RF4L03 }
 CONFIGURATION DESCRIPTION: 1A58 C1 F1 1A58 C1 F1
 ALPHA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

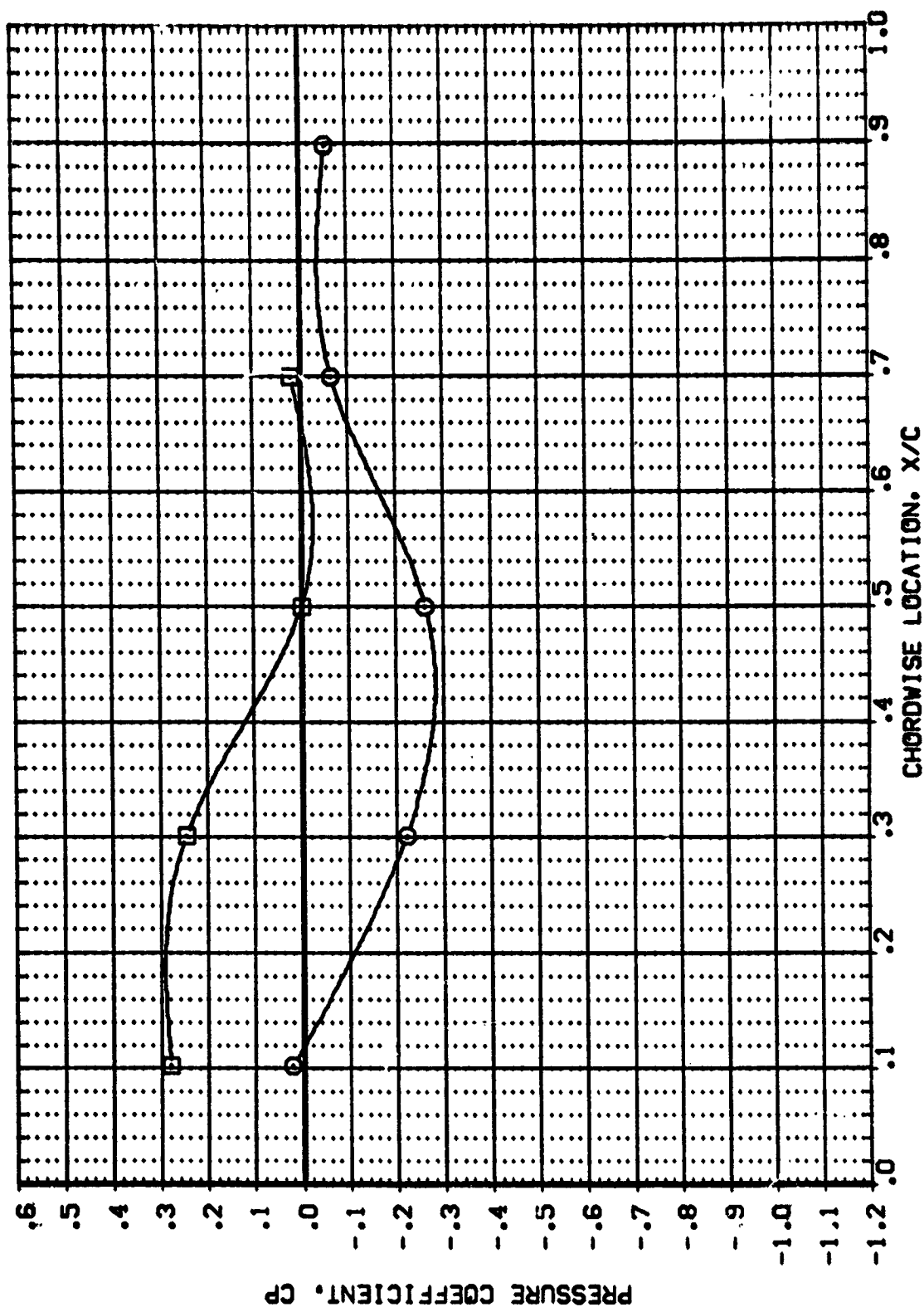


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.503 BETA = 3.980 $2Y/B = .500$



DATA SET SYMBOL: (RF4L03) (RF4L03)
 CONFIGURATION DESCRIPTION: 1A68 C1 F1 1A68 C1 F1
 ALPHA: .000 .000
 UPPER WING SURFACE:
 LOWER WING SURFACE:

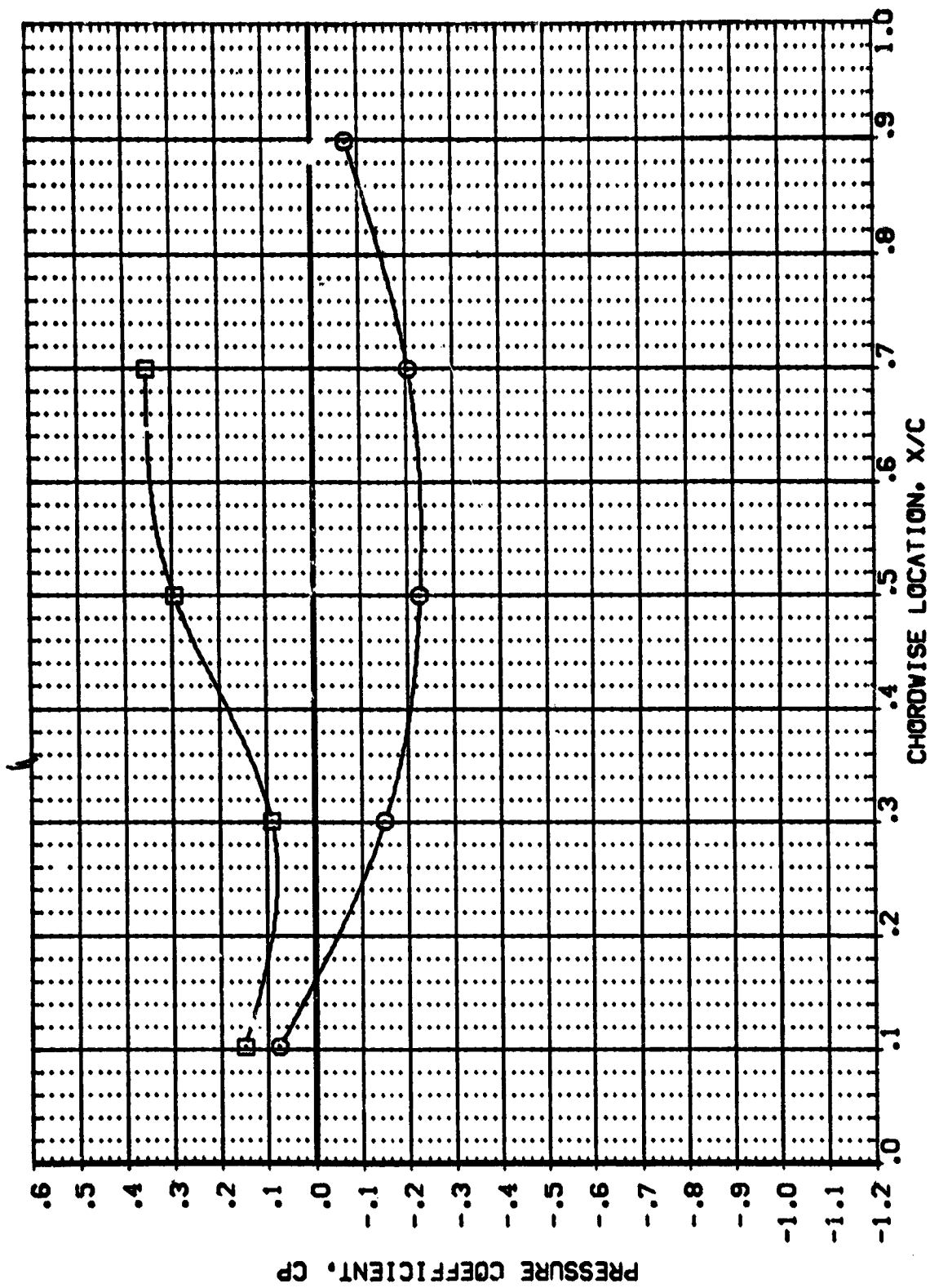


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.991 BETA = -3.830 2Y/B = .500

DATA SET SYMBOL: **9** CONFIGURATION DESCRIPTION: **1A58 C1 F1** ALPHA: **.000**
 (REF 4103) (REF 4103) UPPER WING SURFACE LOWER WING SURFACE

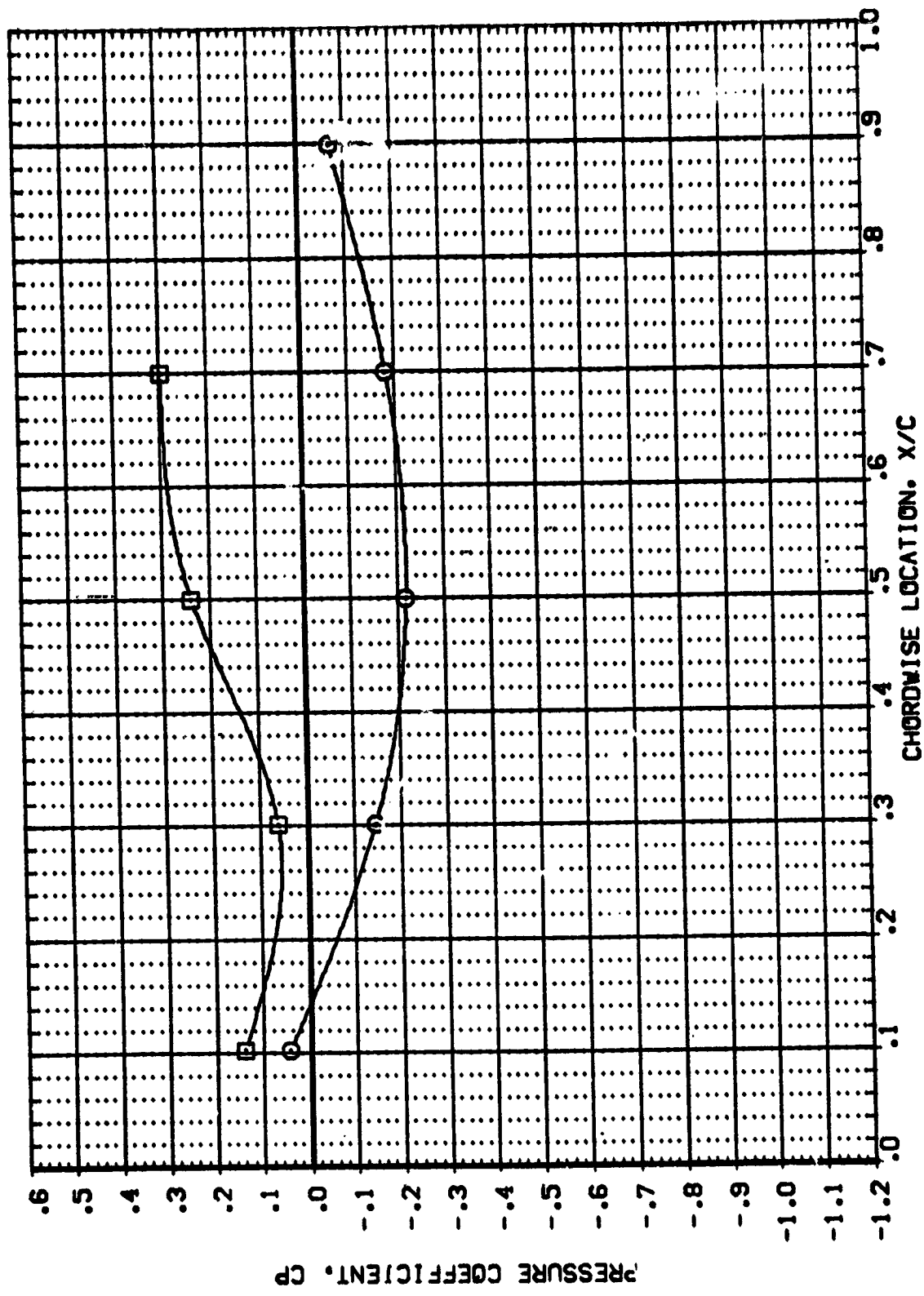


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT 2Y/B = 0.50

MACH = 1.991 BETA = -1.900 2Y/B = .500



DATA SET SYMBOL: [RE4L03] [RE4L03]
 CONFIGURATION DESCRIPTION: IASB C1 F1 IASB C1 F1

ALPHA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

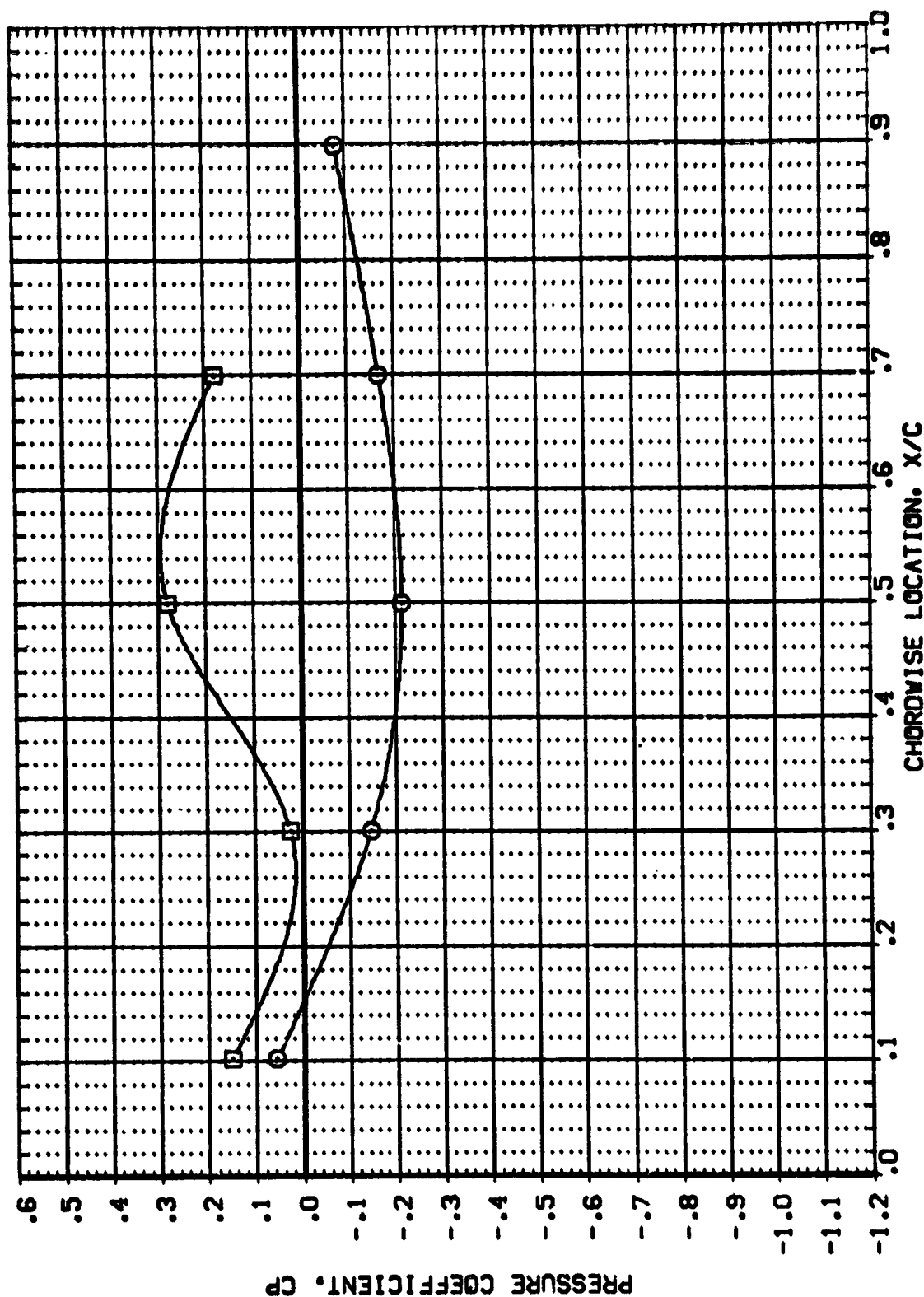


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.991 BETA = .050 $2Y/B = .500$

DATA SET SYMBOL

[R4UG3] [R4UG3]

[A88 C1 F1] [A88 C1 F1]

ALPHA .000
UPPER WING SURFACE
LOWER WING SURFACE

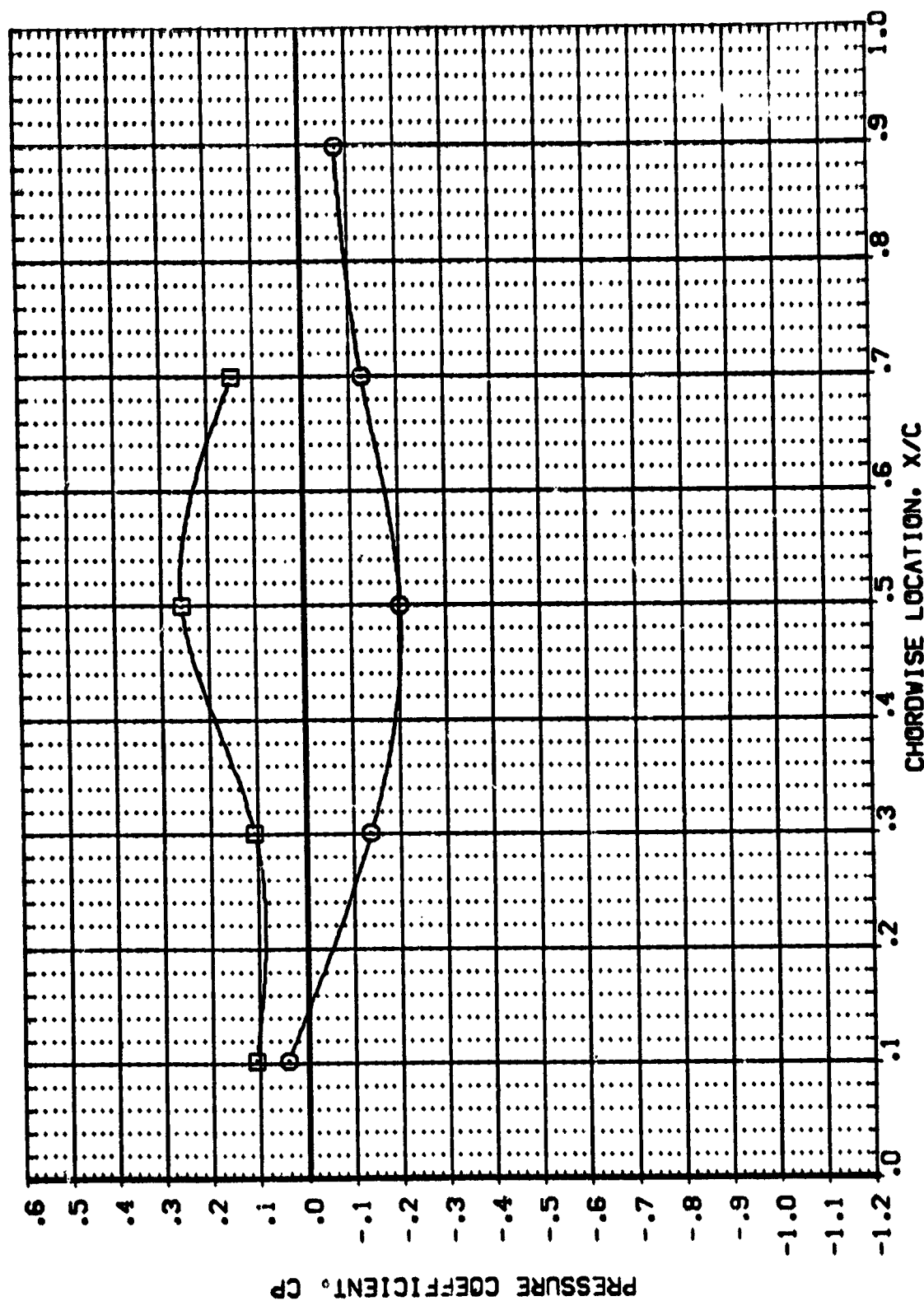


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.991 BETA = 2.020 $2Y/B = .500$



DATA SET SYMB. CONFIGURATION DESCRIPTION

UPPER WING SURFACE
LOWER WING SURFACE

ALPHA
.000
.000

1A88 C1 F1
1A88 C1 F1

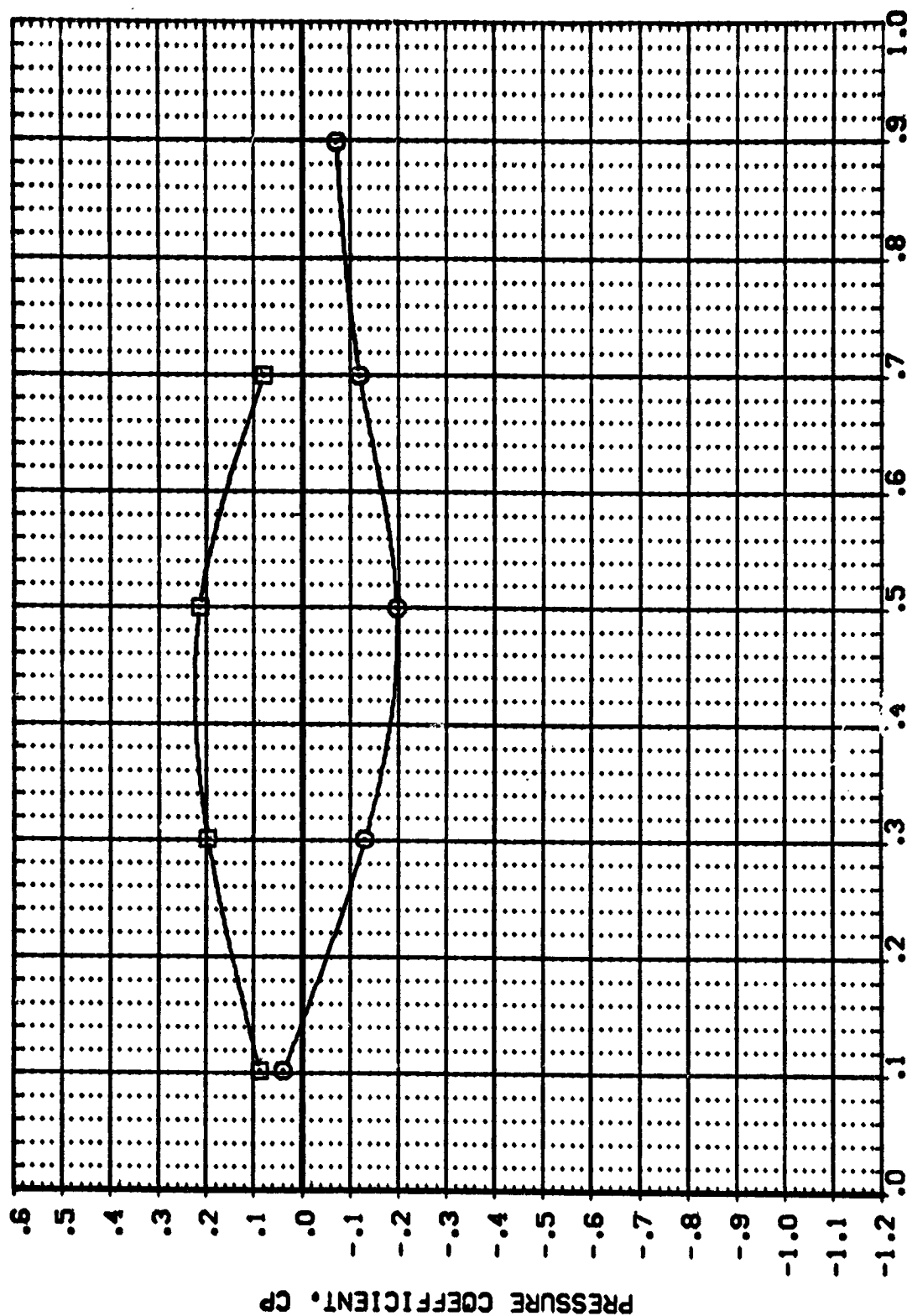


FIG 8 WING CHORDWISE PRESSURE COEFFICIENTS AT $2Y/B = 0.50$

MACH = 1.991 BETA = 3.890 $2Y/B = .500$

DATA SET SYMBL. CONFIGURATION DESCRIPTION
 {NF4LO1} 1A58 C1 F1
 {NF4LO1} 1A58 C1 F1

BETA
 UPPER WING SURFACE .000
 LOWER WING SURFACE .000

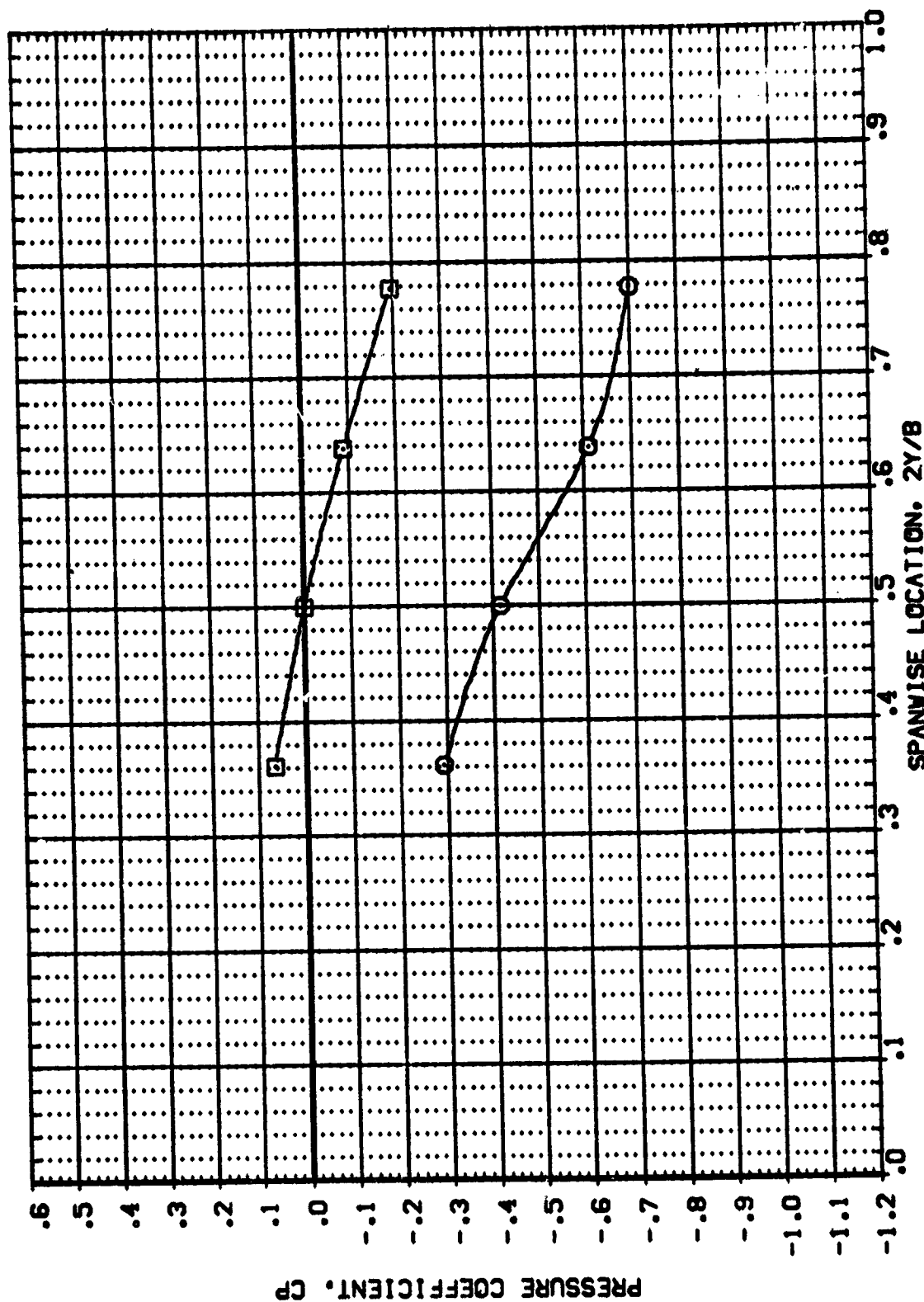


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT $X/C = 0.50$

MACH = .863 ALPHA = .000 $X/C = .500$

DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: **1A58 C1 F1**
1A58 C1 F1

BETA: **.000**
 UPPER WING SURFACE: **.000**
 LOWER WING SURFACE: **.000**

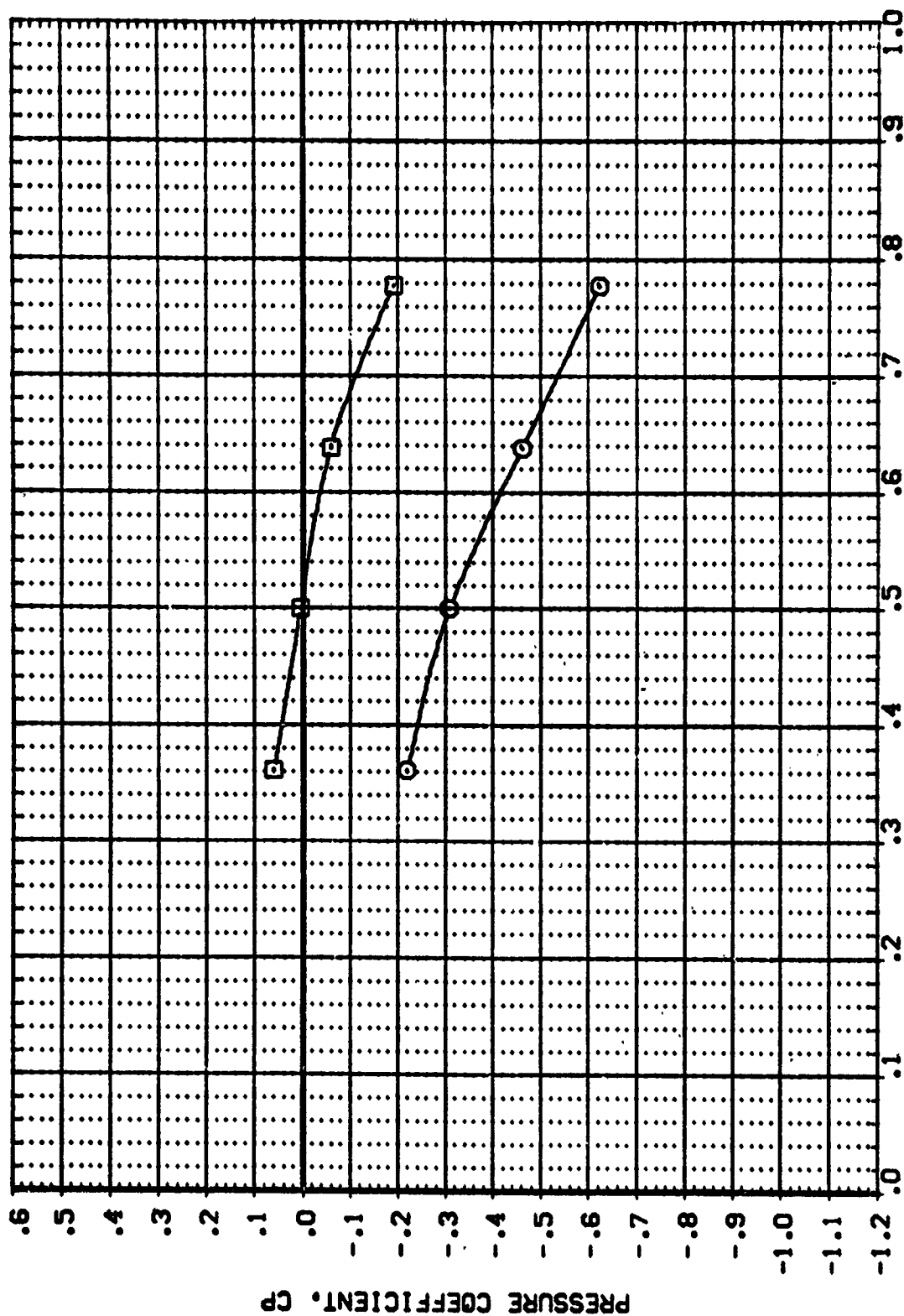


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .896 ALPHA = -4.000 X/C = .500

DATA SET SYMBOL: (R-4102) (R-4102)
 CONFIGURATION DESCRIPTION: 1A58 C1 F1 1A58 C1 F1

BETA: .000 .000
 UPPER WING SURFACE
 LOWER WING SURFACE

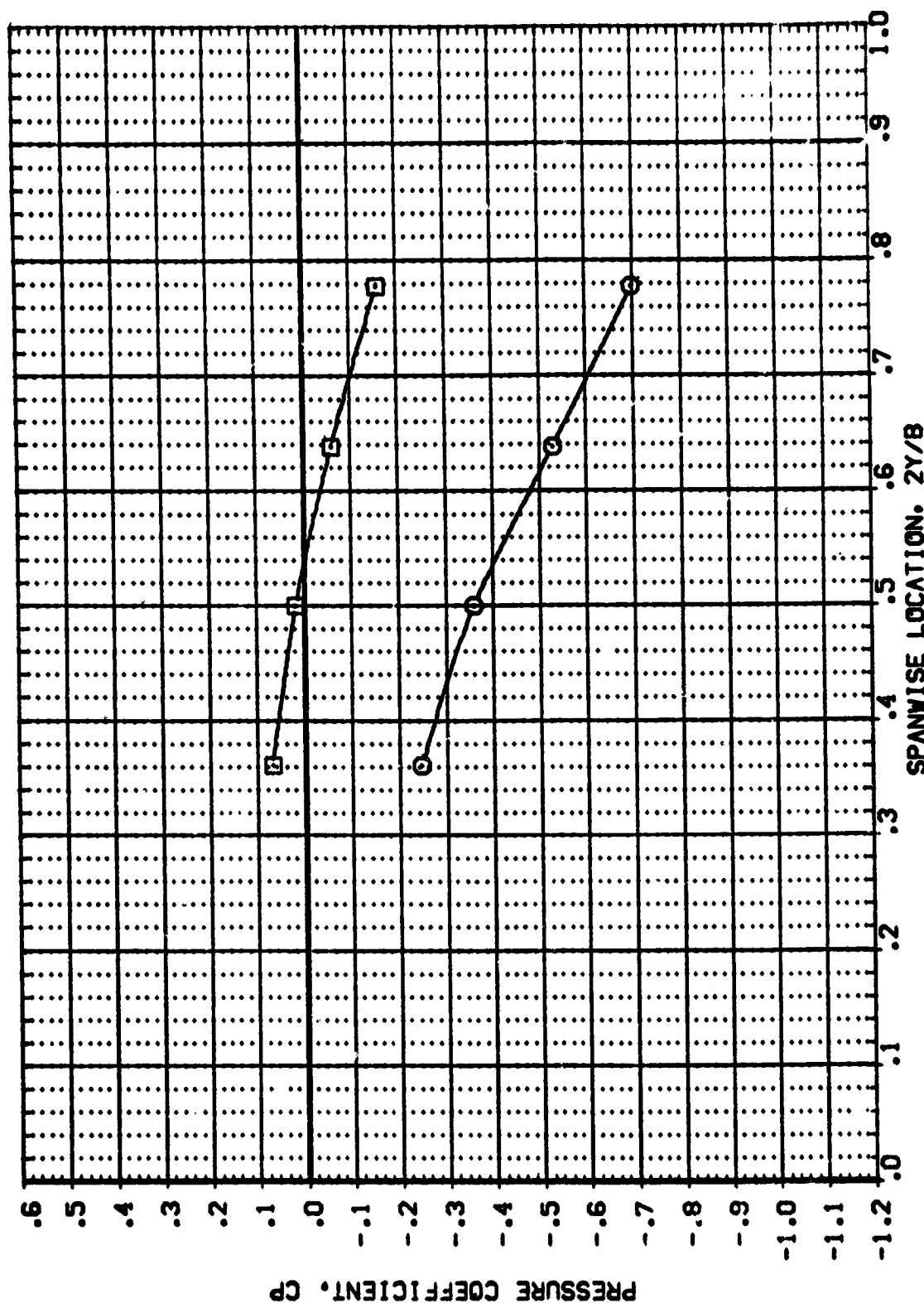


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .896 ALPHA = -2.000 X/C = .500



DATA SET SYMBOL: 0
 (REFLOZ) (REFLOZ)
 (REFLOZ) (REFLOZ)

CONFIGURATION DESCRIPTION: UPPER WING SURFACE
 LOWER WING SURFACE

BETA: .000
 .000

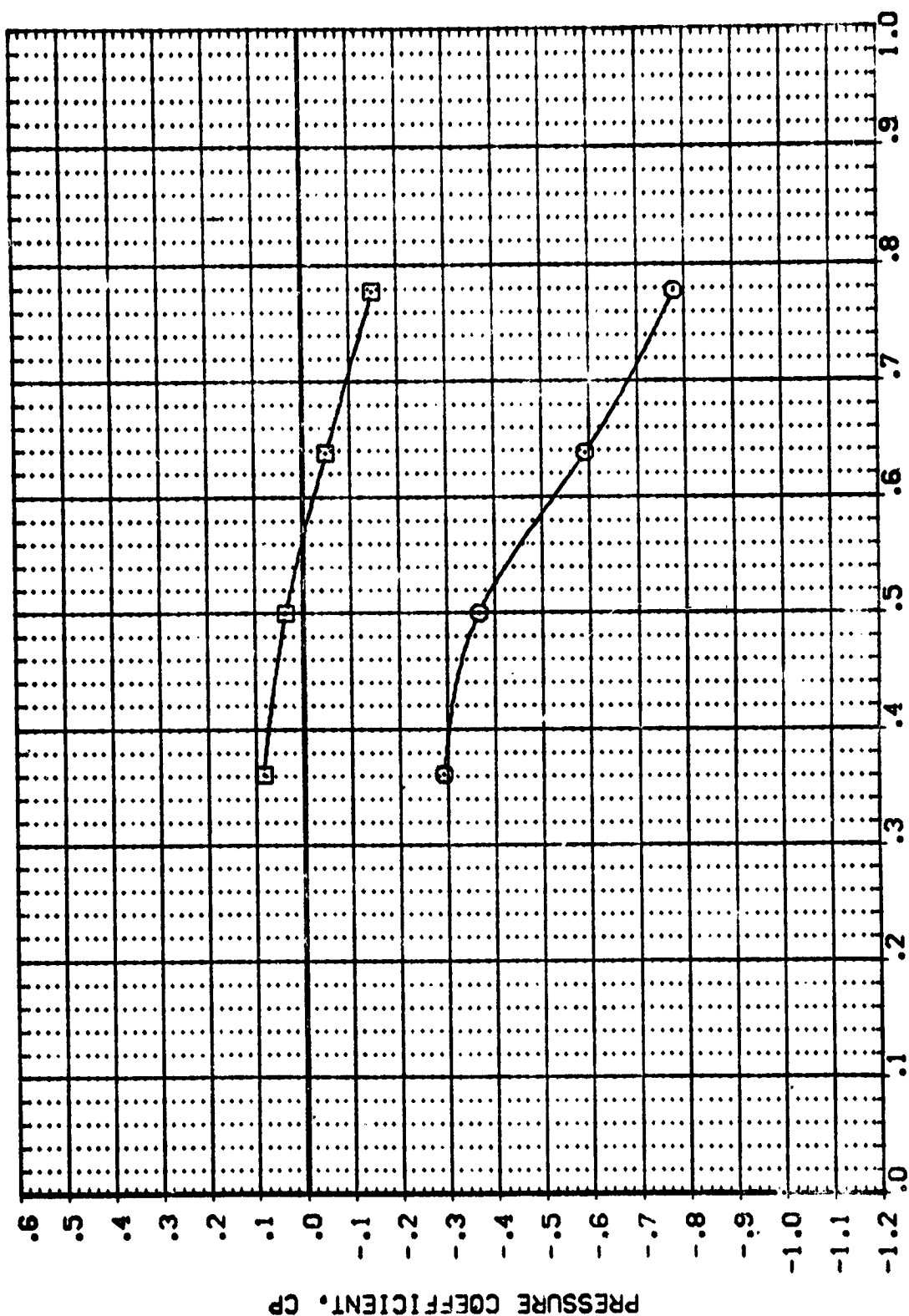


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .896 ALPHA = -.090 X/C = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R4U02) 1A68 C1 F1
 (R4L02) 1A68 C1 F1

BETA
 .000
 .000
 UPPER WING SURFACE
 LOWER WING SURFACE

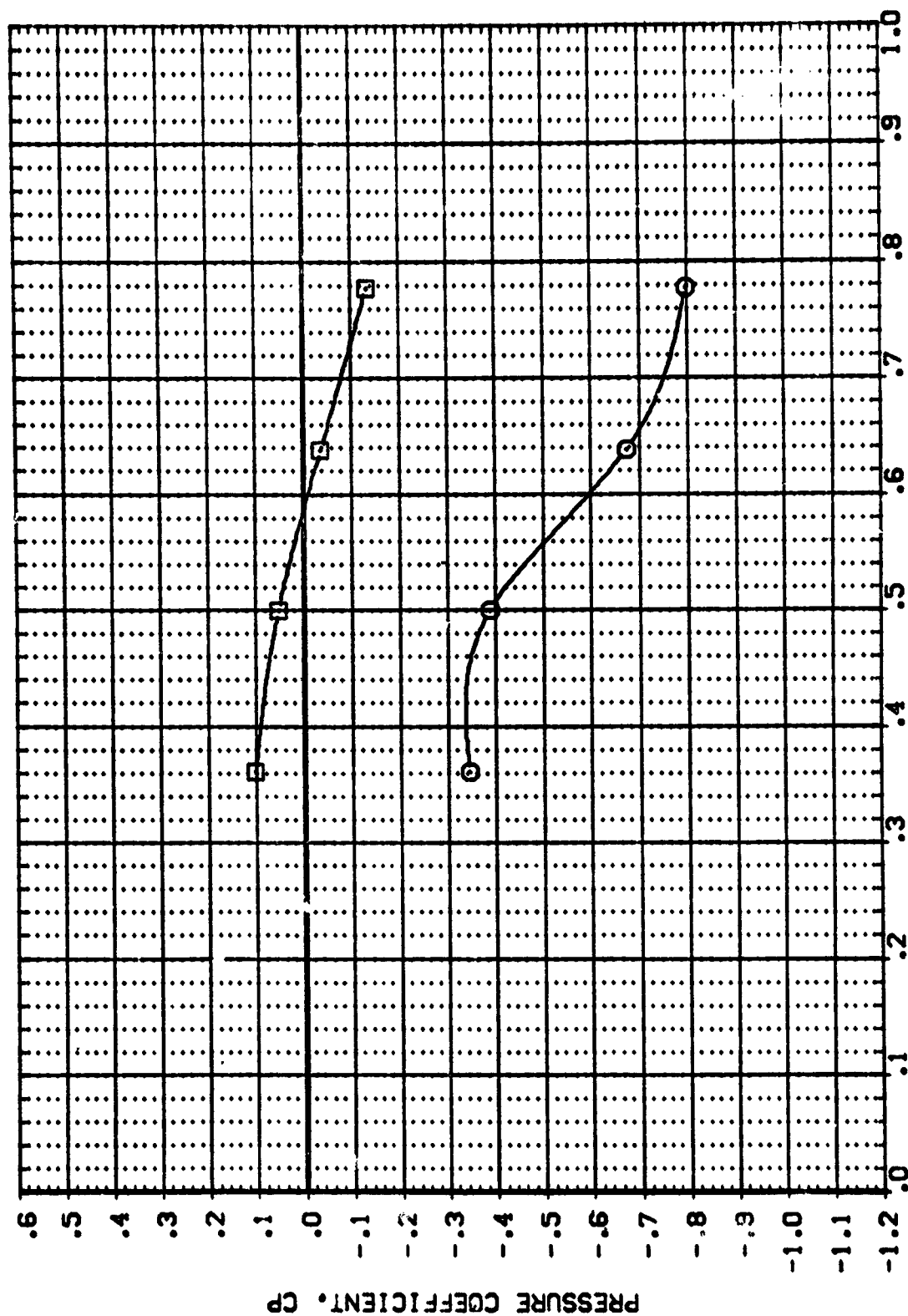


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .896 ALPHA = 1.800 X/C = .500



DATA SET SYMBOL: [R4U02] [R4L02]
 CONFIGURATION DESCRIPTION: 1A58 C1 F1 1A58 C1 F1

BETA: .000 .000
 UPPER WING SURFACE
 LOWER WING SURFACE

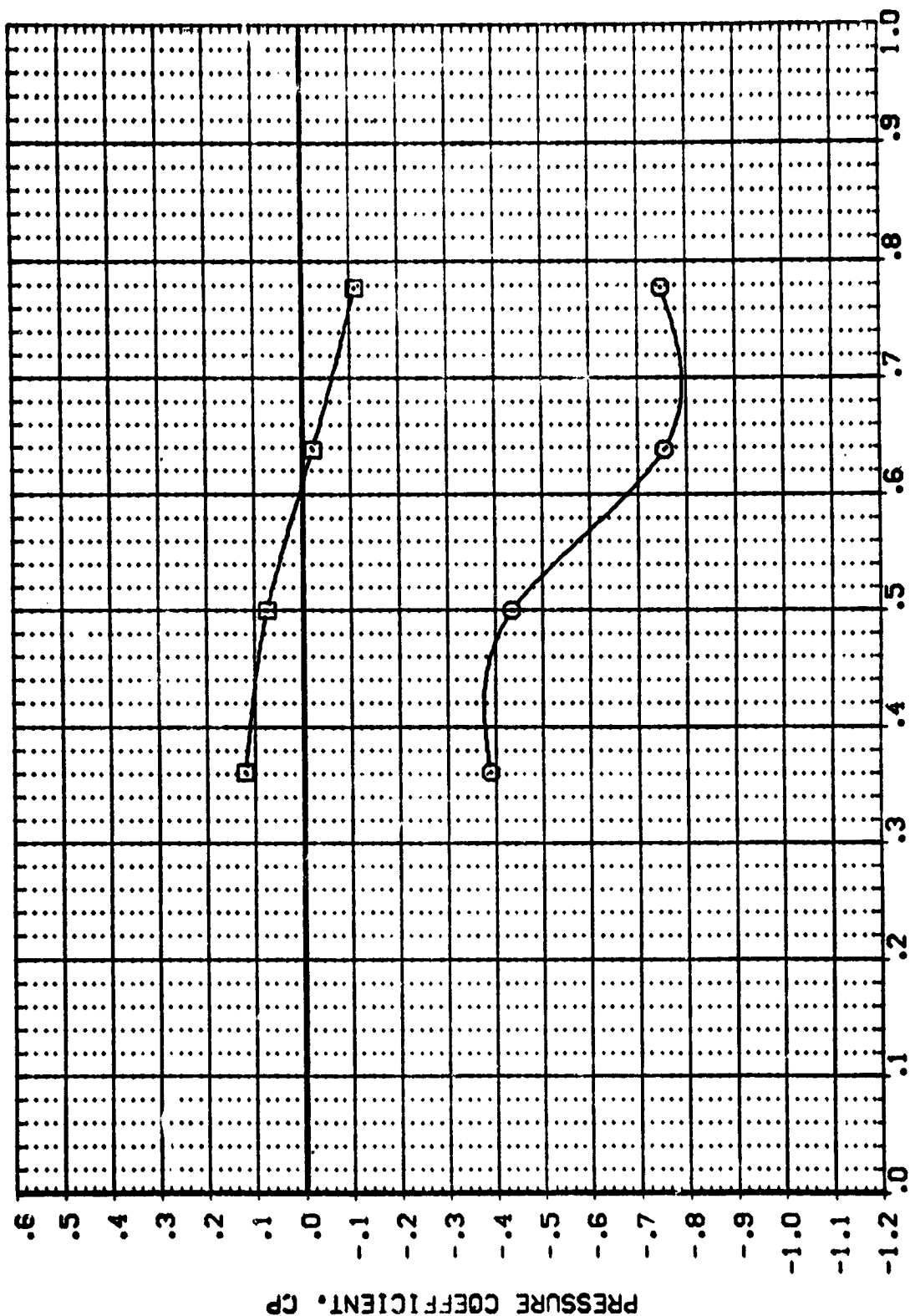


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .896 ALPHA = 3.670 X/C = .500

DATA SET SYMBOL: [RE4U02] [RE4L02]
 CONFIGURATION DESCRIPTION: IASB C1 F1 IASB C1 F1

BETA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

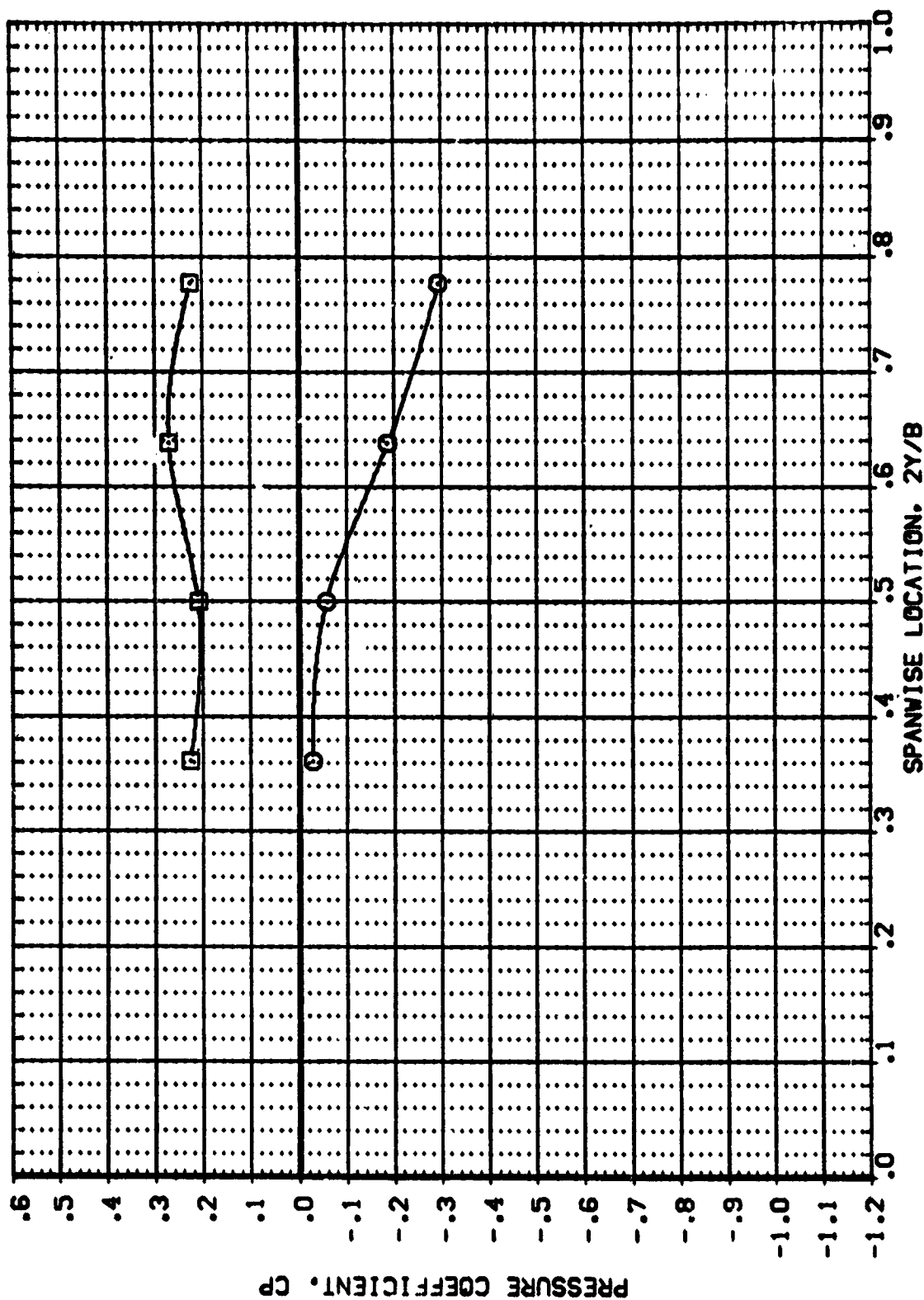


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 ALPHA = -3.910 X/C = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION
 [RF4L02] 1A68 C1 F1
 [RF4L02] 1A68 C1 F1

BETA
 .000
 UPPER WING SURFACE
 .000
 LOWER WING SURFACE

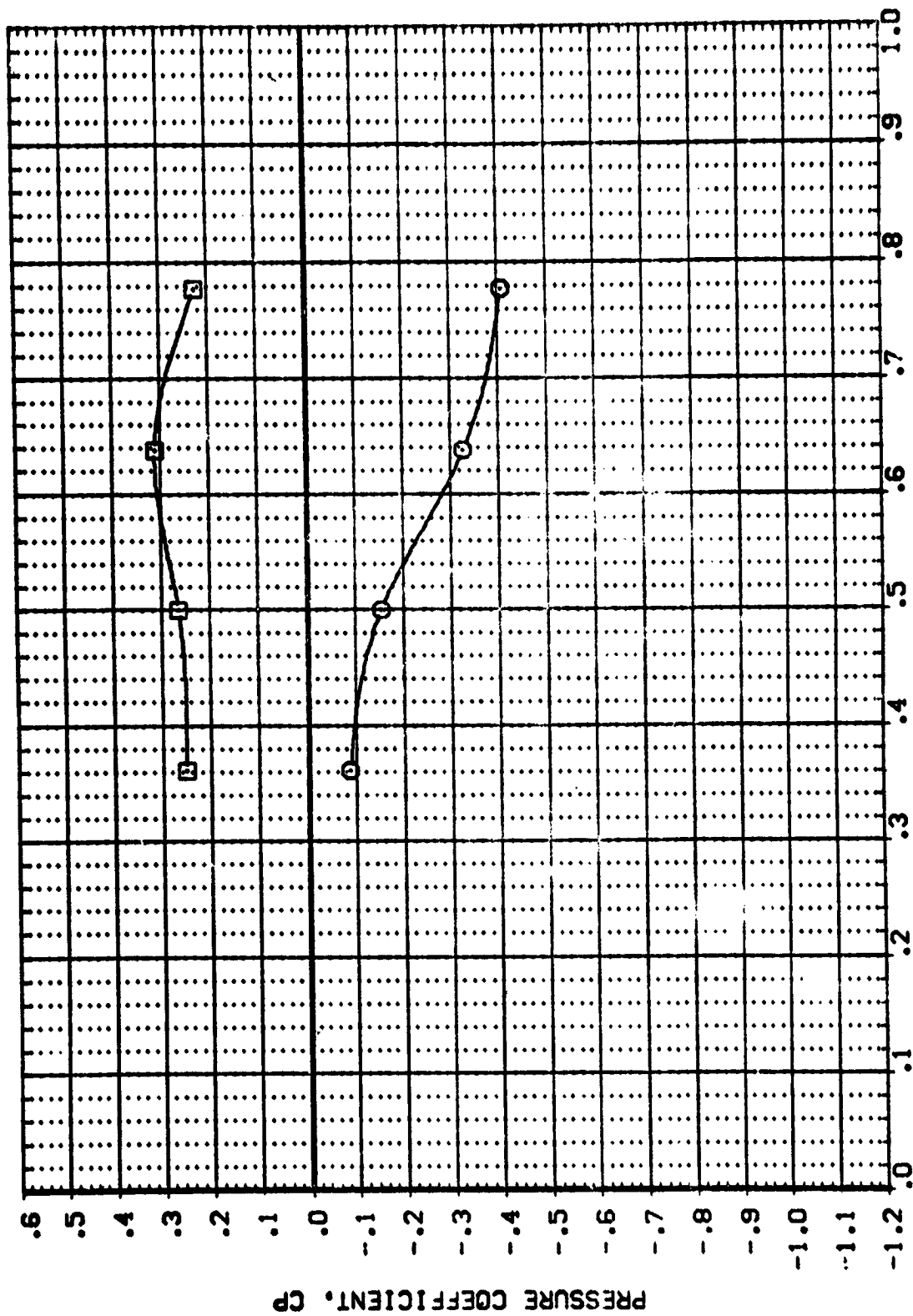


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 ALPHA = -1.830 X/C = .500

DATA SET SYMBOL: (NF4L02) (NF4L02)
 CONFIGURATION DESCRIPTION: IASB C1 F1 IASB C1 F1
 BETA: .000 .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

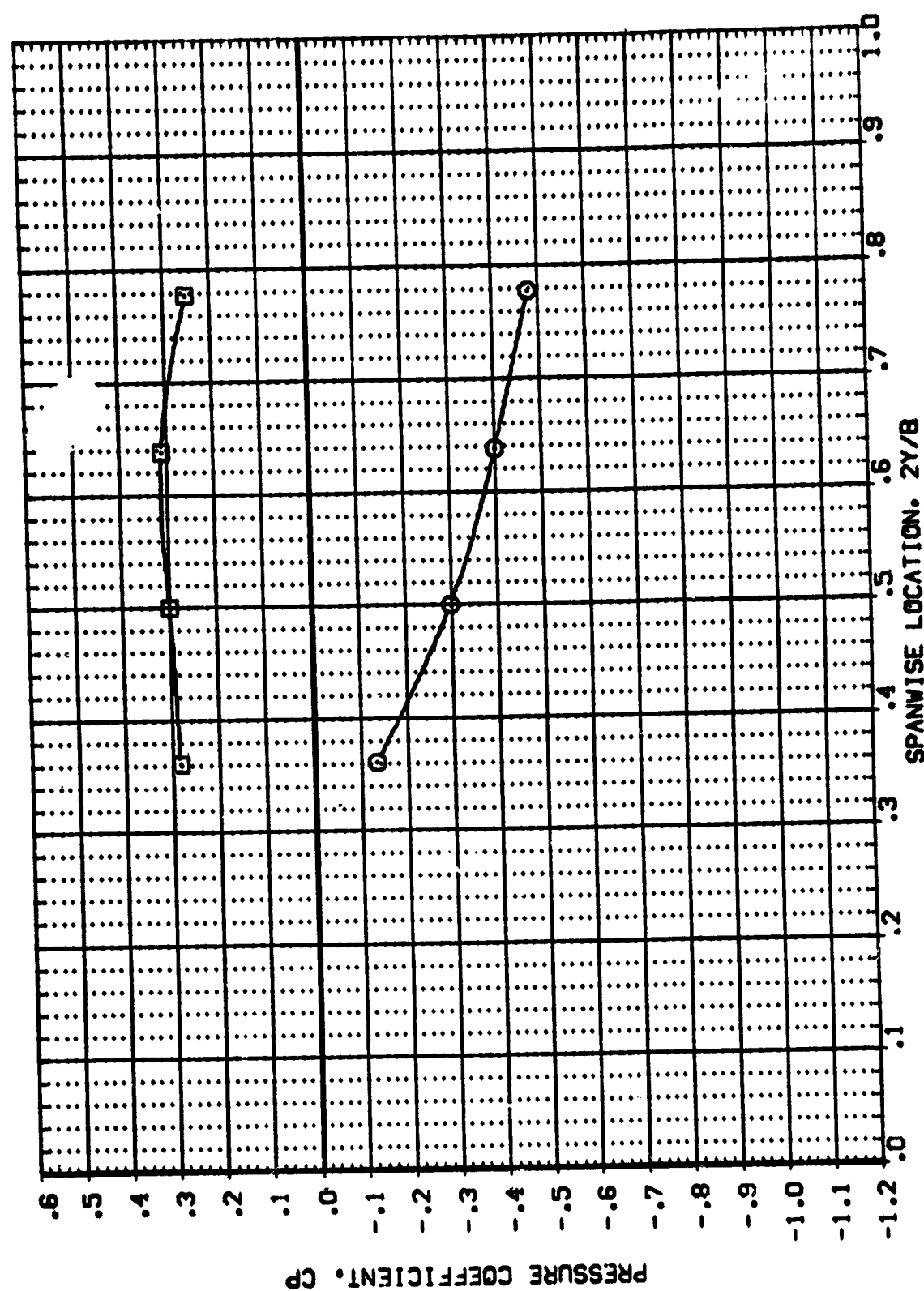


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 ALPHA = .150 X/C = .500



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [R4LO2] [AGB C1 F1]
 [R4LO2] [AGB C1 F1]

BETA
 UPPER WING SURFACE .000
 LOWER WING SURFACE .000

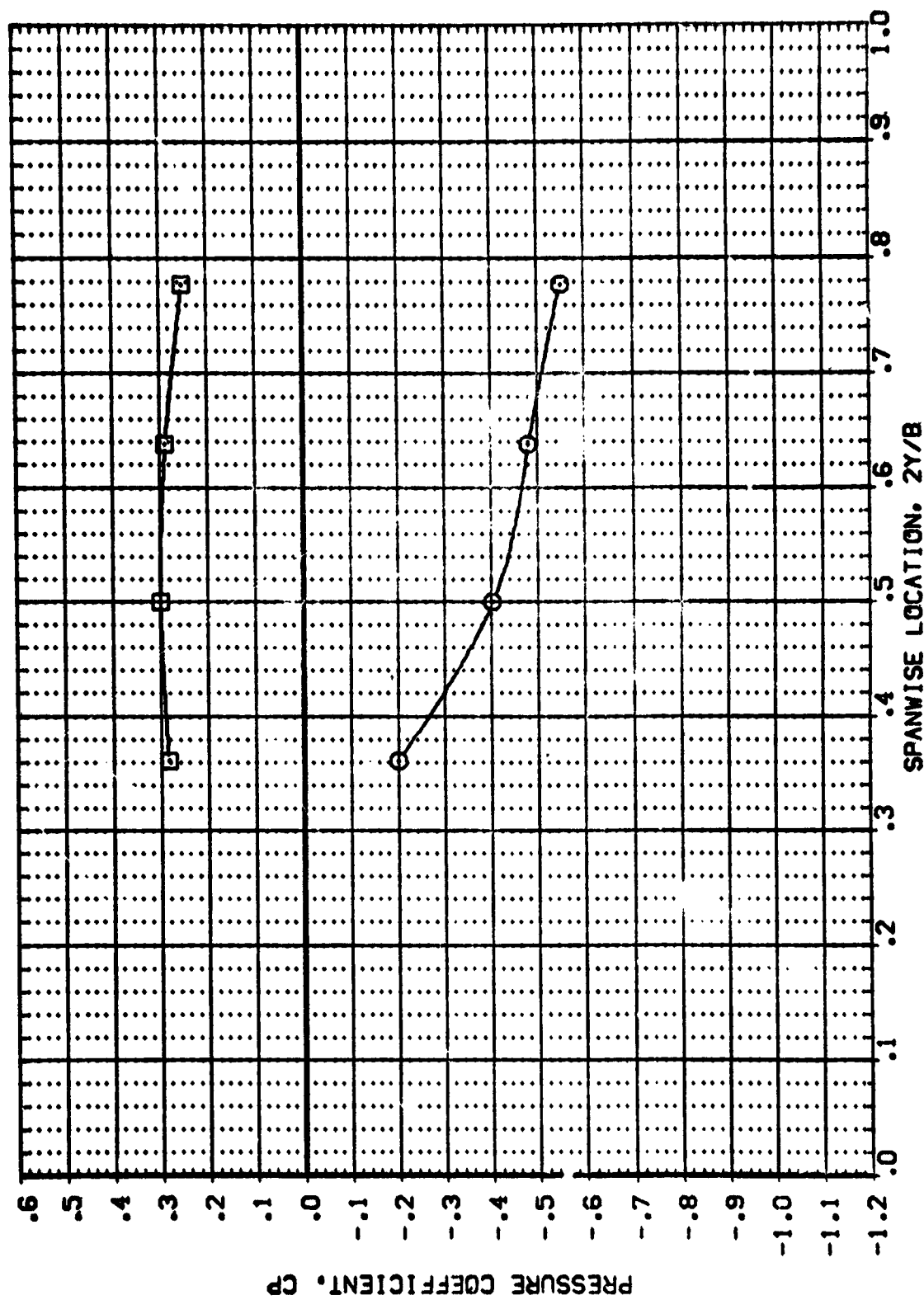


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 ALPHA = 2.120 X/C = .500

DATA SET SYMBOL: (NF4LD2) (NF4LD2)
 CONFIGURATION DESCRIPTION: IASB C1 F1 IASB C1 F1
 UPPER WING SURFACE: BETA .000
 LOWER WING SURFACE: .000

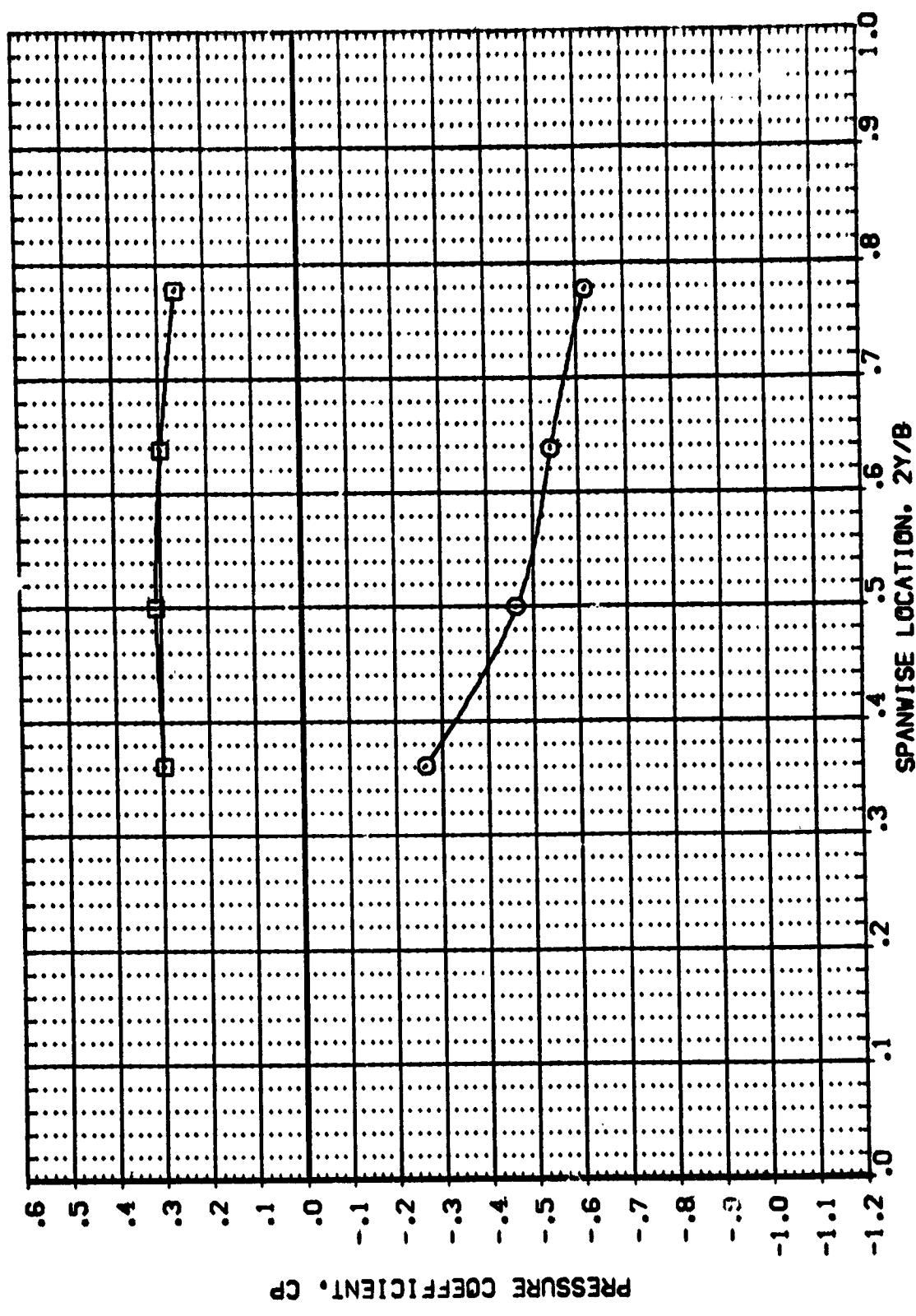


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 ALPHA = 4.030 X/C = .500



DATA SET SYMBOL: [RE4U02] [RE4U02]
 CONFIGURATION DESCRIPTION: 1A68 C1 F1 1A68 C1 F1

BETA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

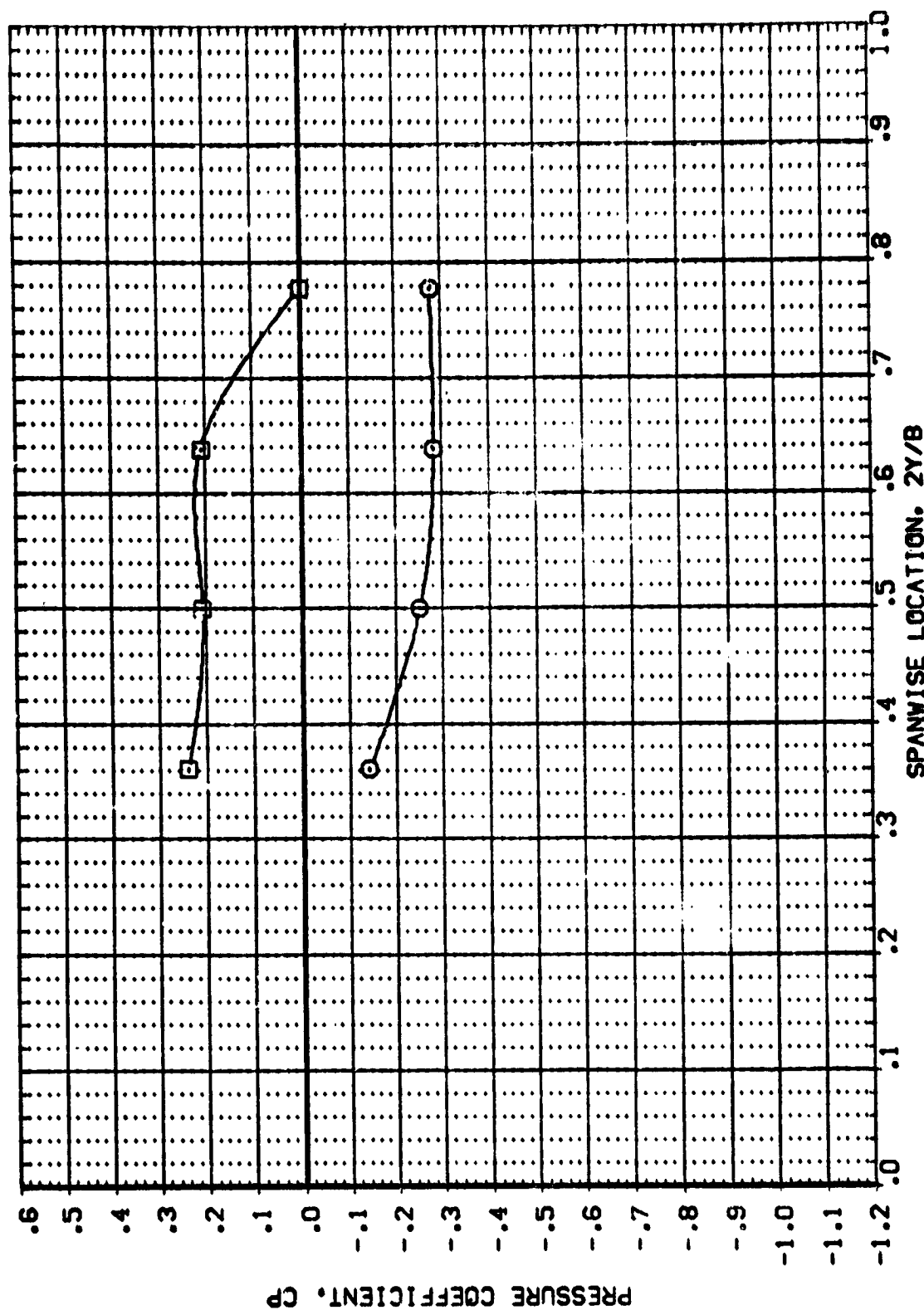


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 ALPHA = -3.890 X/C = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RF4L02) 1A58 C1 F1
 (RF4L02) 1A58 C1 F1

UPPER WING SURFACE
 LOWER WING SURFACE

BETA

.000
 .000

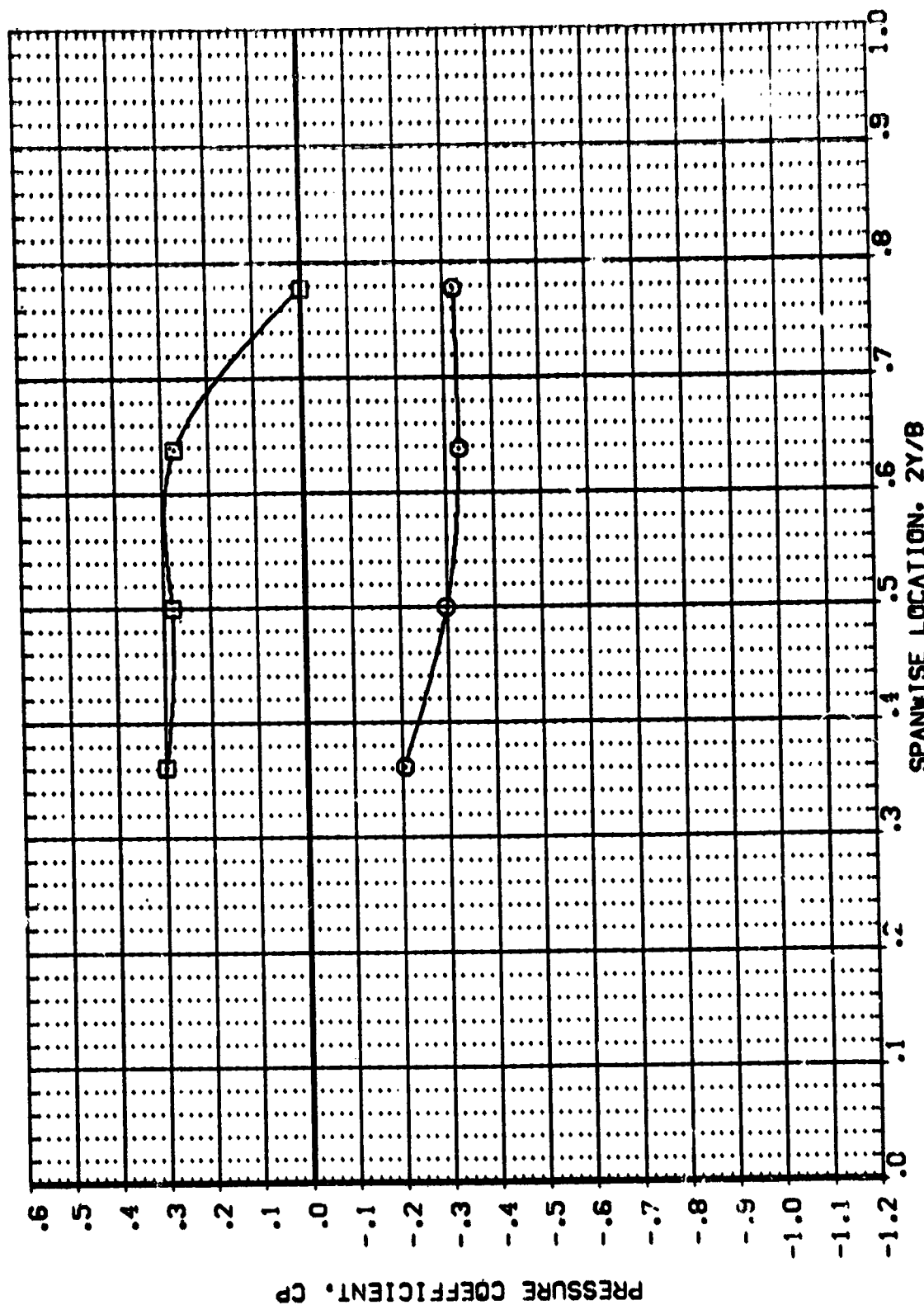


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 ALPHA = -1.690 X/C = .500

DATA SET SYMBOL: [RE4LQ2] [RE4LQ2]
 CONFIGURATION DESCRIPTION: [A58 C1 F1] [A58 C1 F1]

BETA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

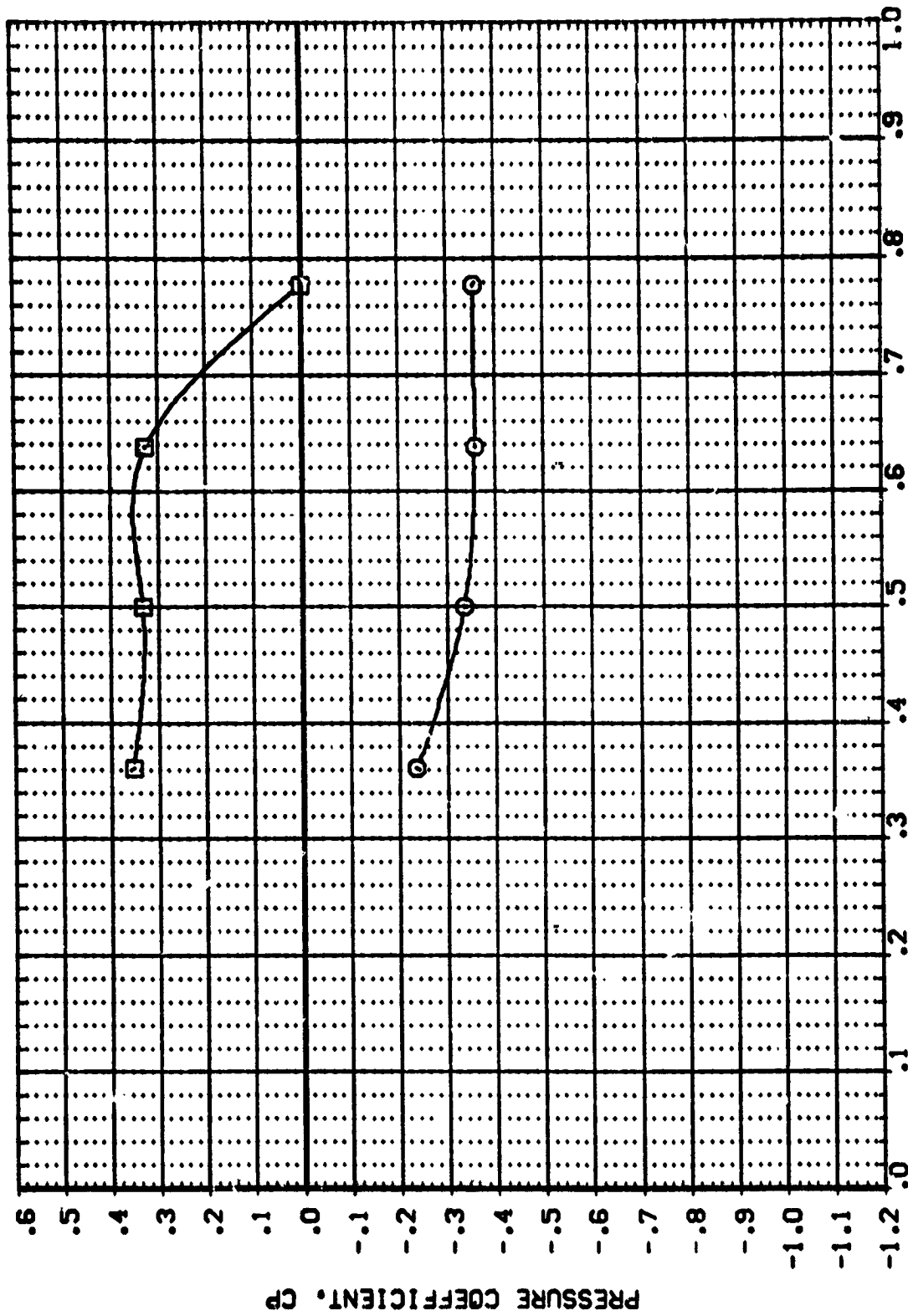


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 ALPHA = .120 X/C = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R4L02)
(R4L02)

1A58 C1 F1
1A58 C1 F1

BETA
UPPER WING SURFACE .000
LOWER WING SURFACE .000

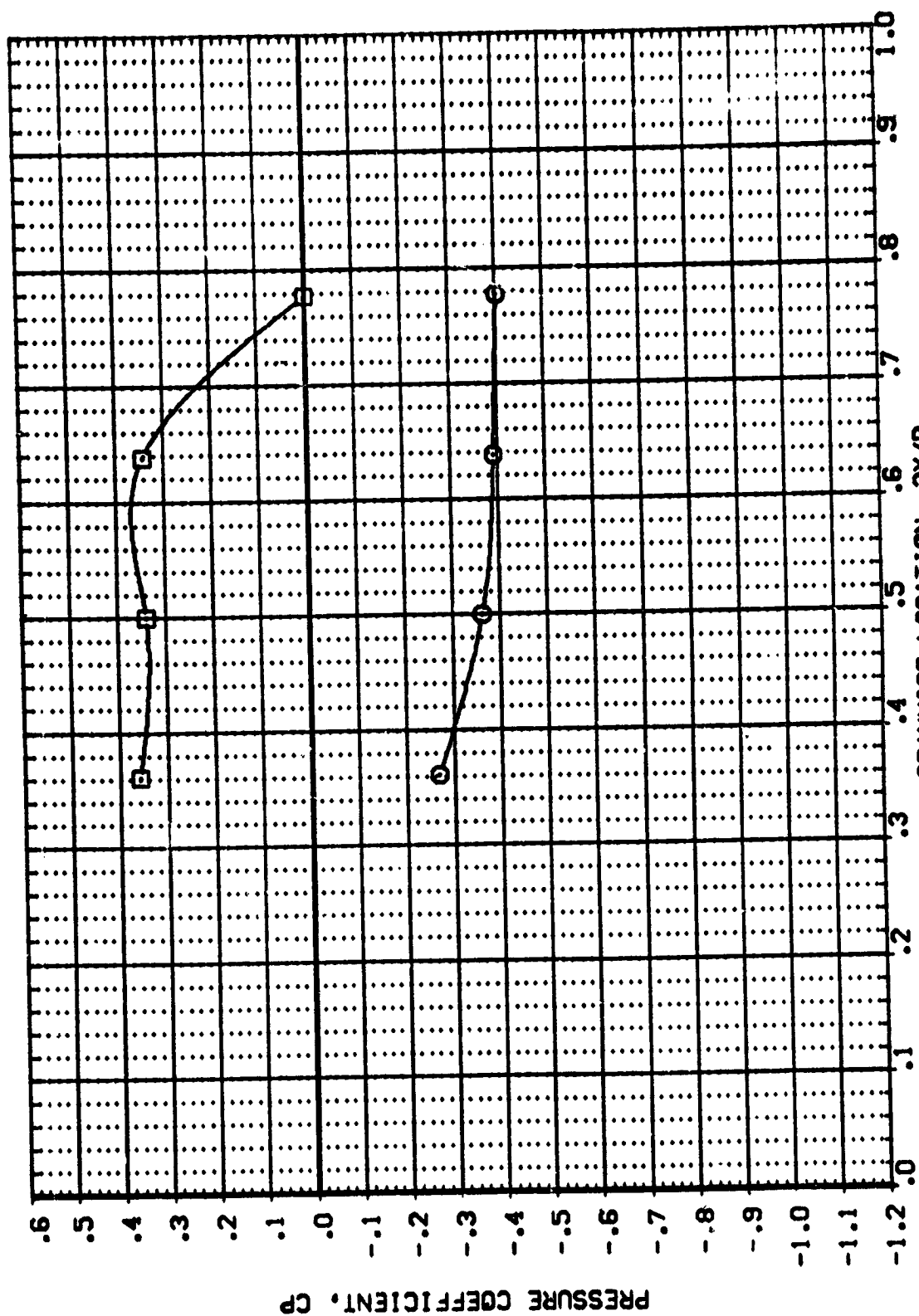


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 ALPHA = 2.010 X/C = .500

DATA SET SYMB. CONFIGURATION DESCRIPTION
 [RF4L02] [A68 C1 F1]
 [RF4L02] [A68 C1 F1]

BETA
 UPPER WING SURFACE .000
 LOWER WING SURFACE .000

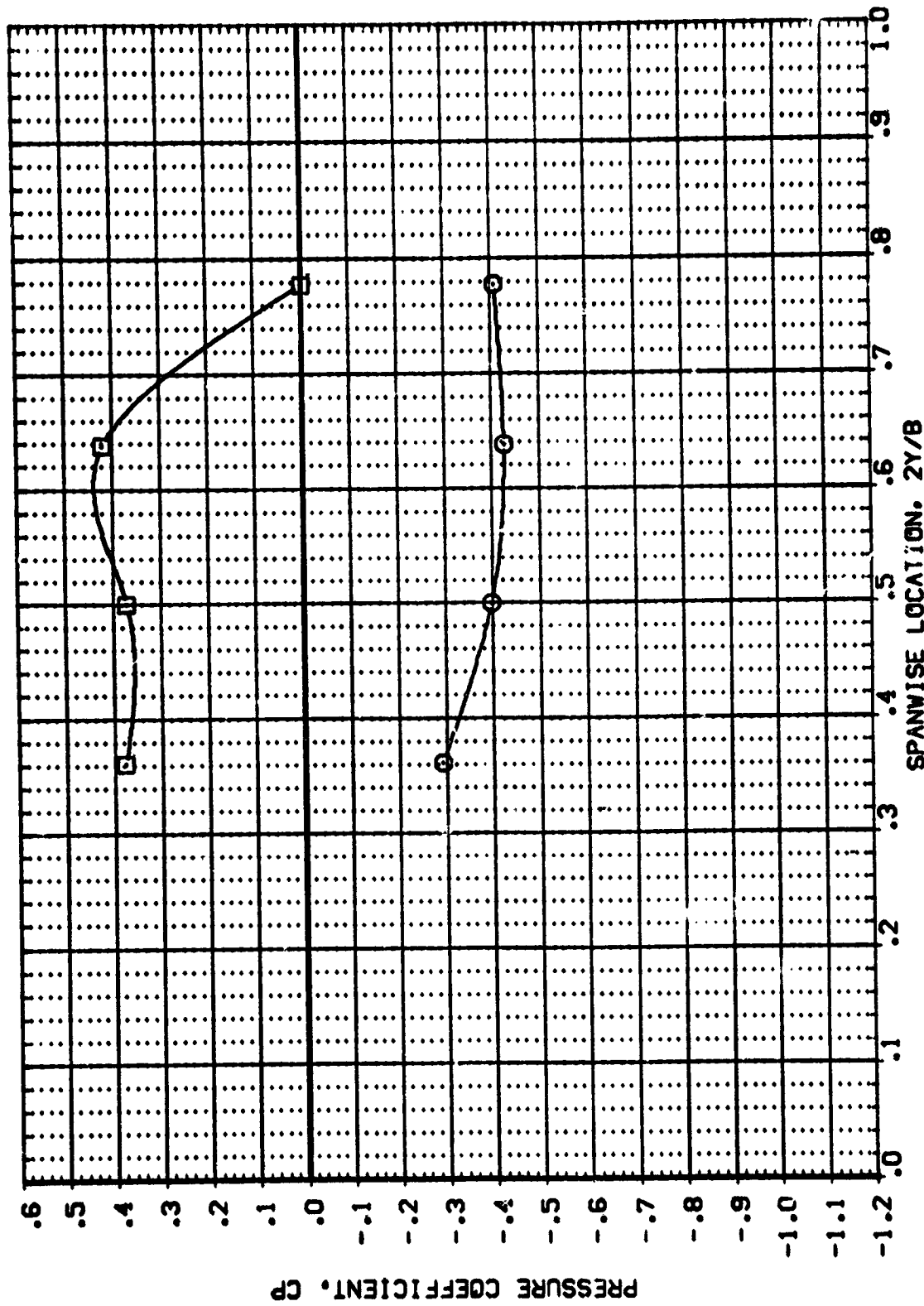


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 ALPHA = 3.950 X/C = .500

DATA SET SYMBOL: [RE4L02] [RE4L02]
 CONFIGURATION DESCRIPTION: [A58 C1 F1] [A58 C1 F1]

BETA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

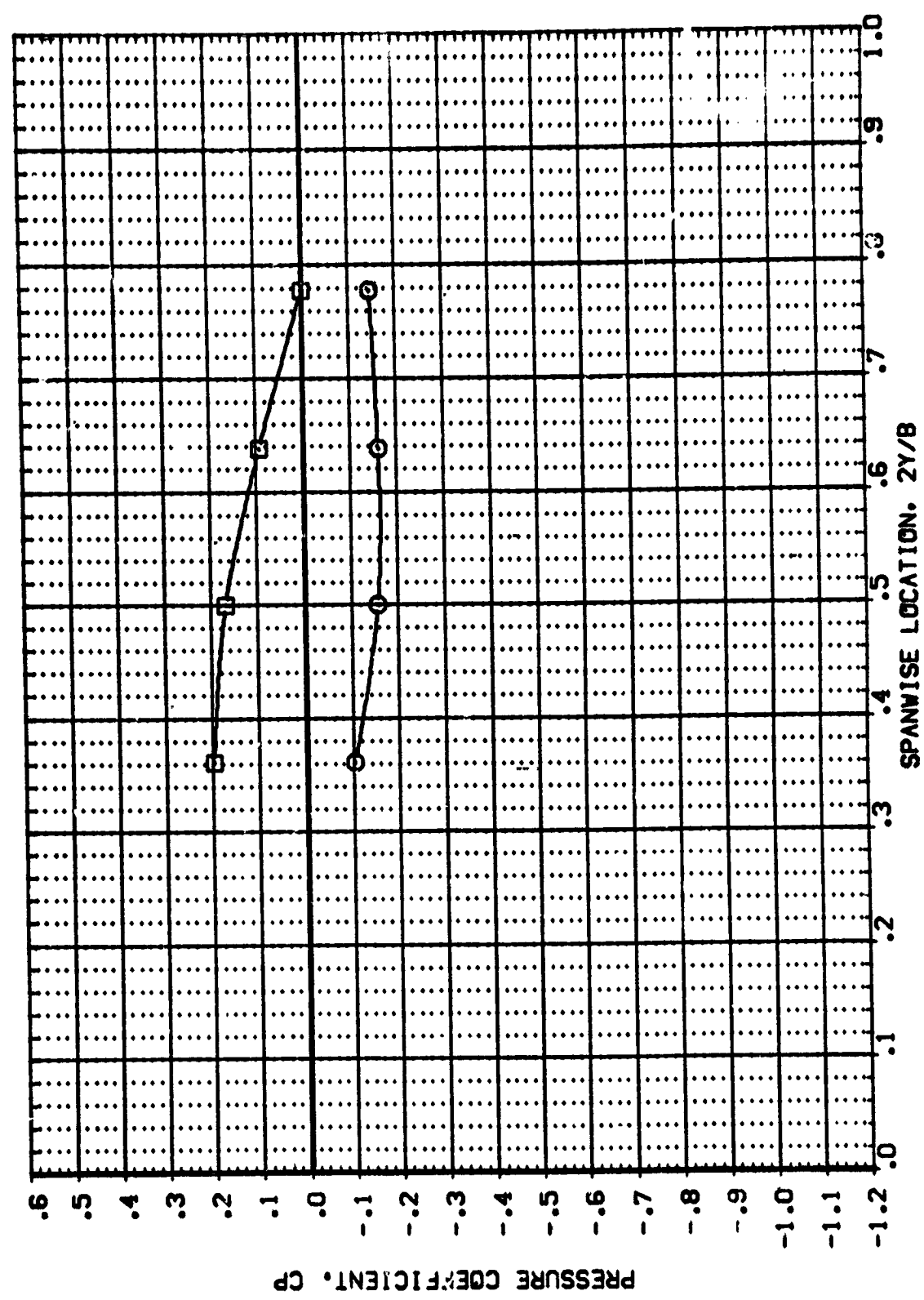


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 ALPHA = -3.770 X/C = .500

DATA SET SYMBOL: [RF4U02] [RF4L02]
 CONFIGURATION DESCRIPTION: IASB C1 F1 IASB C1 F1

BETA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

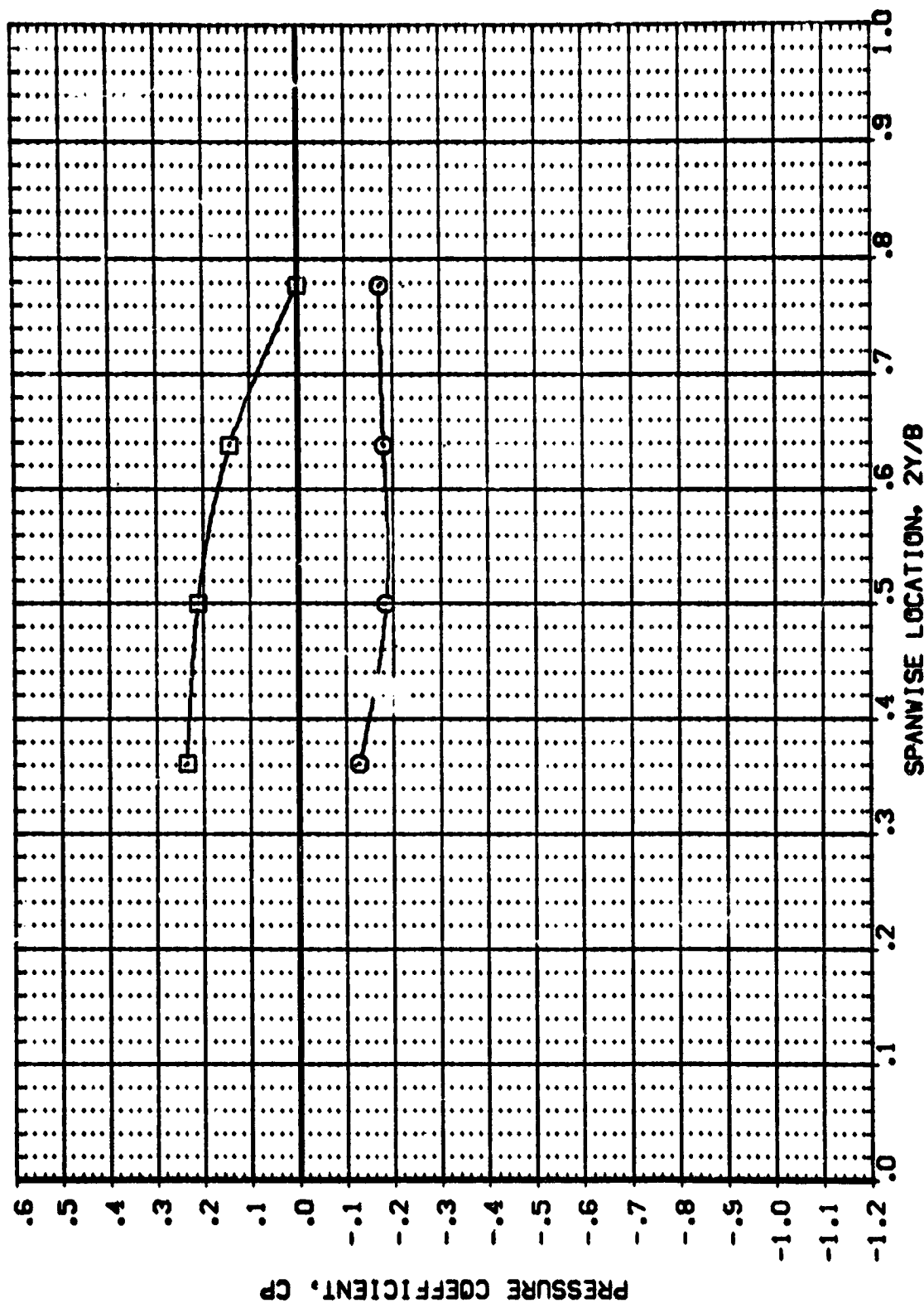


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 ALPHA = -1.960 X/C = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R4102) (R4102)
 (R4102) (R4102)

UPPER WING SURFACE
 LOWER WING SURFACE

BETA

.000
 .000

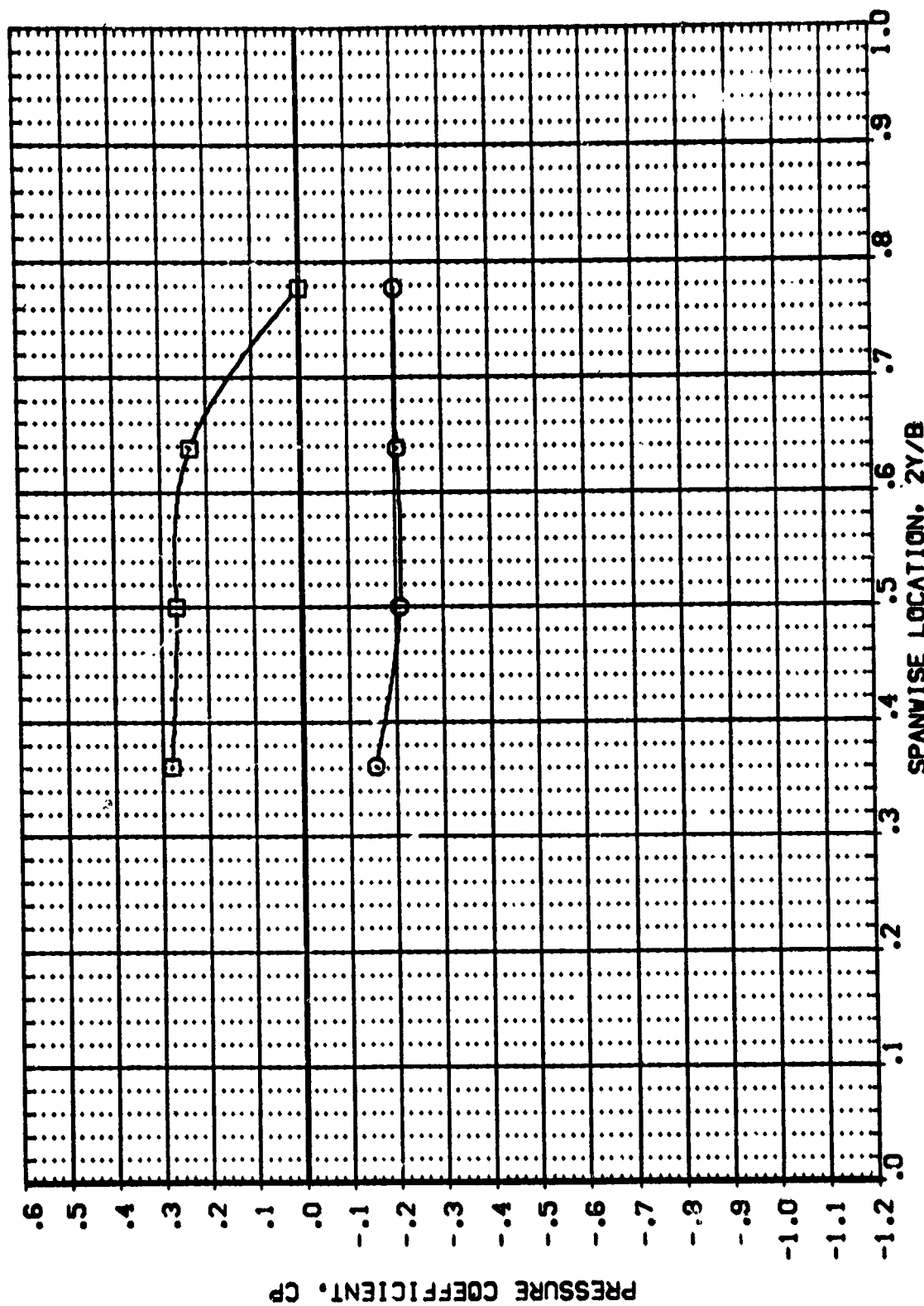


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 ALPHA = .020 X/C = .500

DATA SET SYMBOL. CONFIGURATION DESCRIPTION
 (RF4L02) 1A68 C1 F1
 (RF4L02) 1A68 C1 F1

BETA
 UPPER WING SURFACE .000
 LOWER WING SURFACE .000

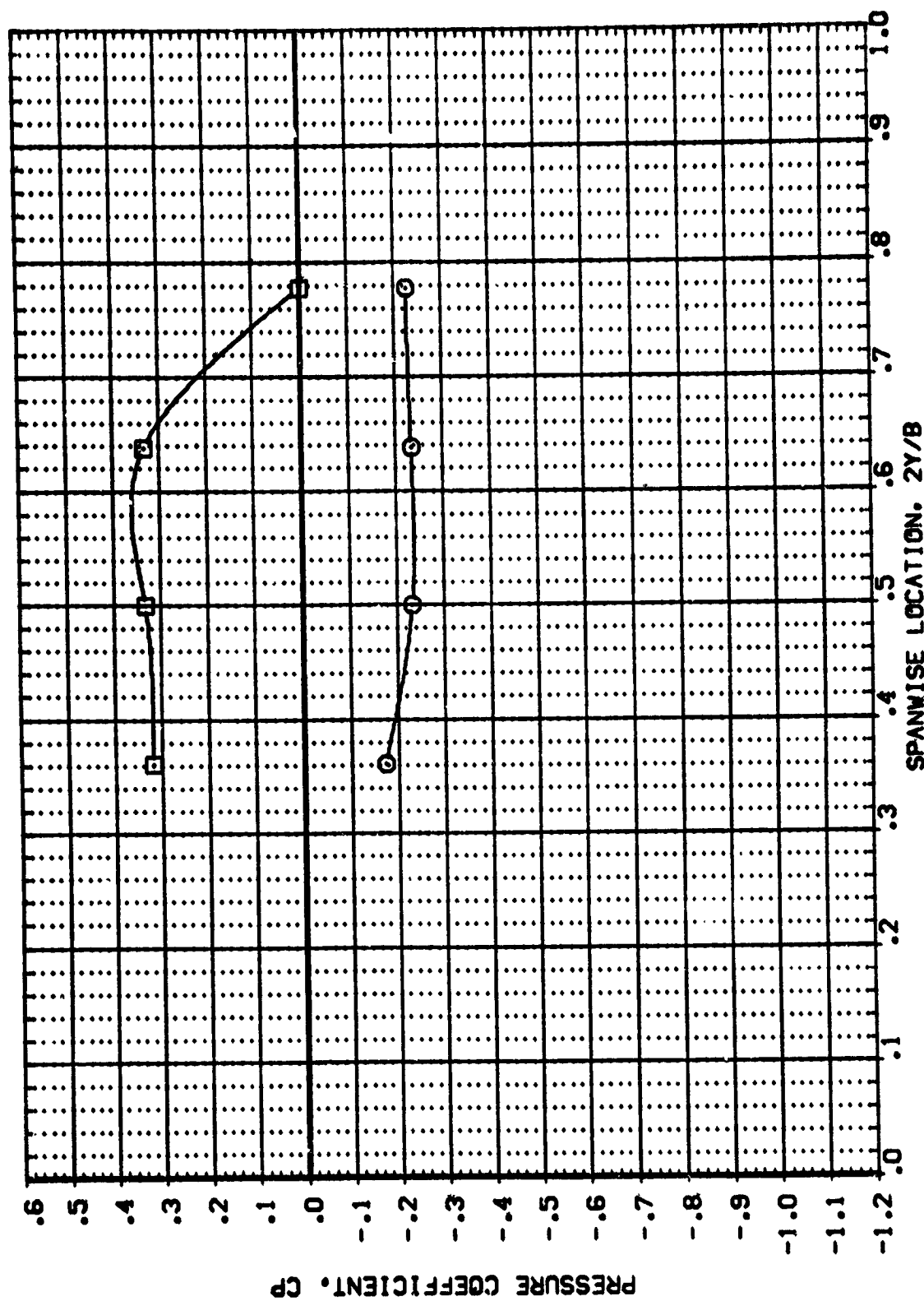



FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT $X/C = 0.50$

MACH = 1.991 ALPHA = 2.050 $X/C = .500$

DATA SET SYMBOL: (RF4LO2)  (RF4LO2)
 CONFIGURATION DESCRIPTION: IAGB CI F1 IAGB CI F1
 UPPER WING SURFACE: BETA .000
 LOWER WING SURFACE: .000

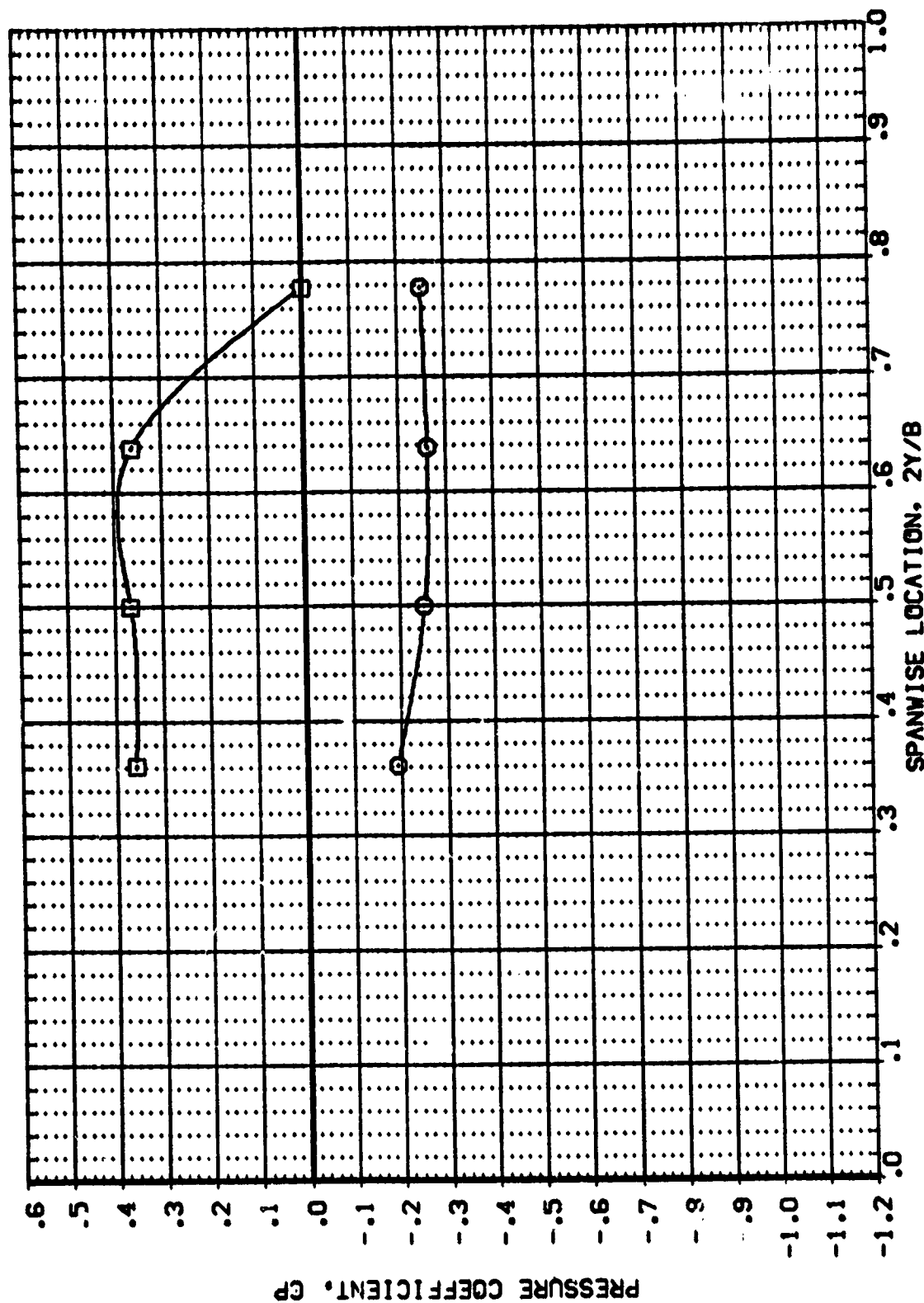


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 ALPHA = 4.050 X/C = .500

DATA SET SYMBOL
(NF4L03)
(NF4L03)

CONFIGURATION DESCRIPTION
[ASB CI F]
[ASB CI F]

UPPER WING SURFACE
LOWER WING SURFACE

ALPHA
.000
.000

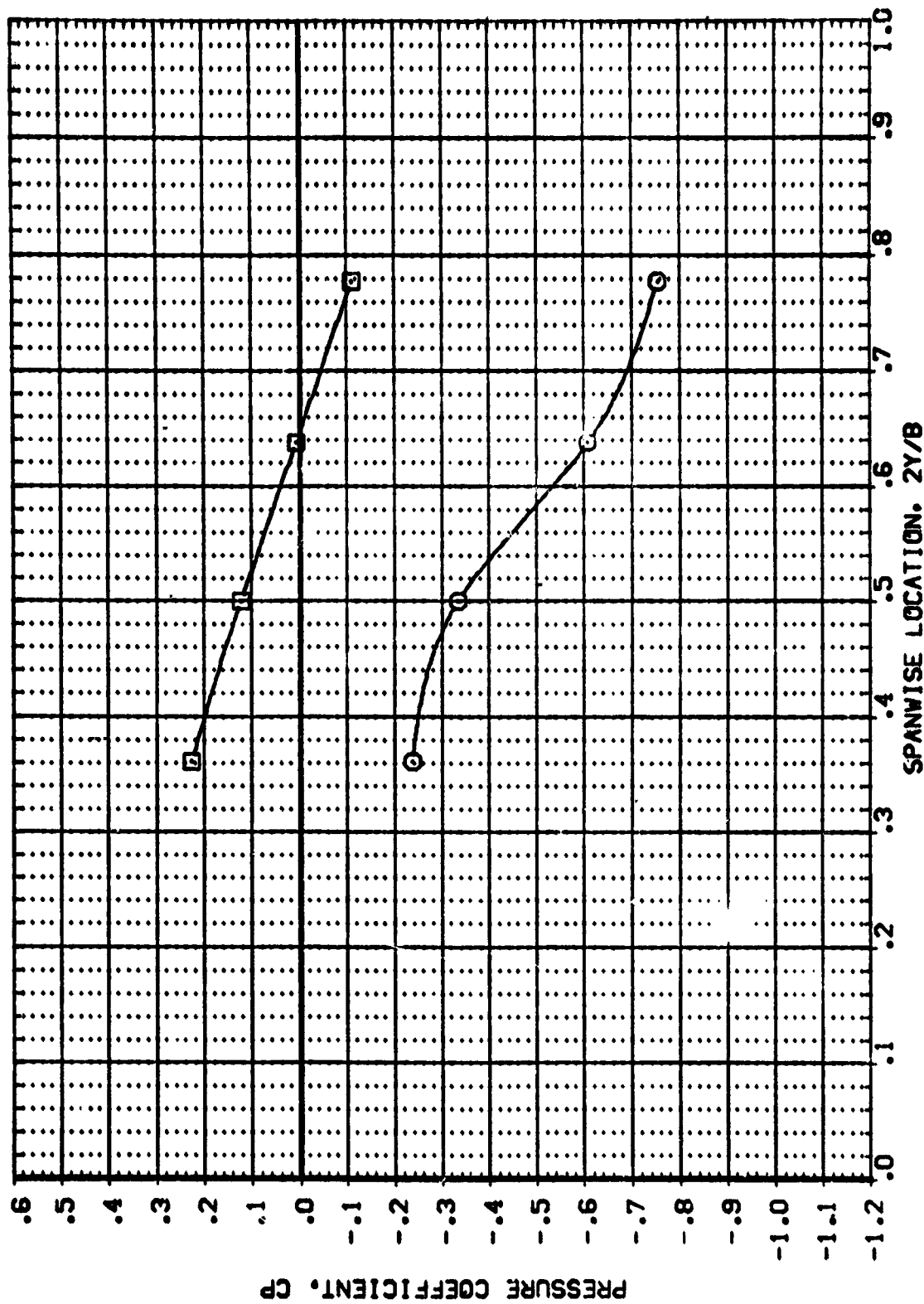


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH .899 BETA = -3.750 X/C = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA
 (RF4L03) 1A58 C1 F1 .000
 (RF4L03) 1A58 C1 F1 .000

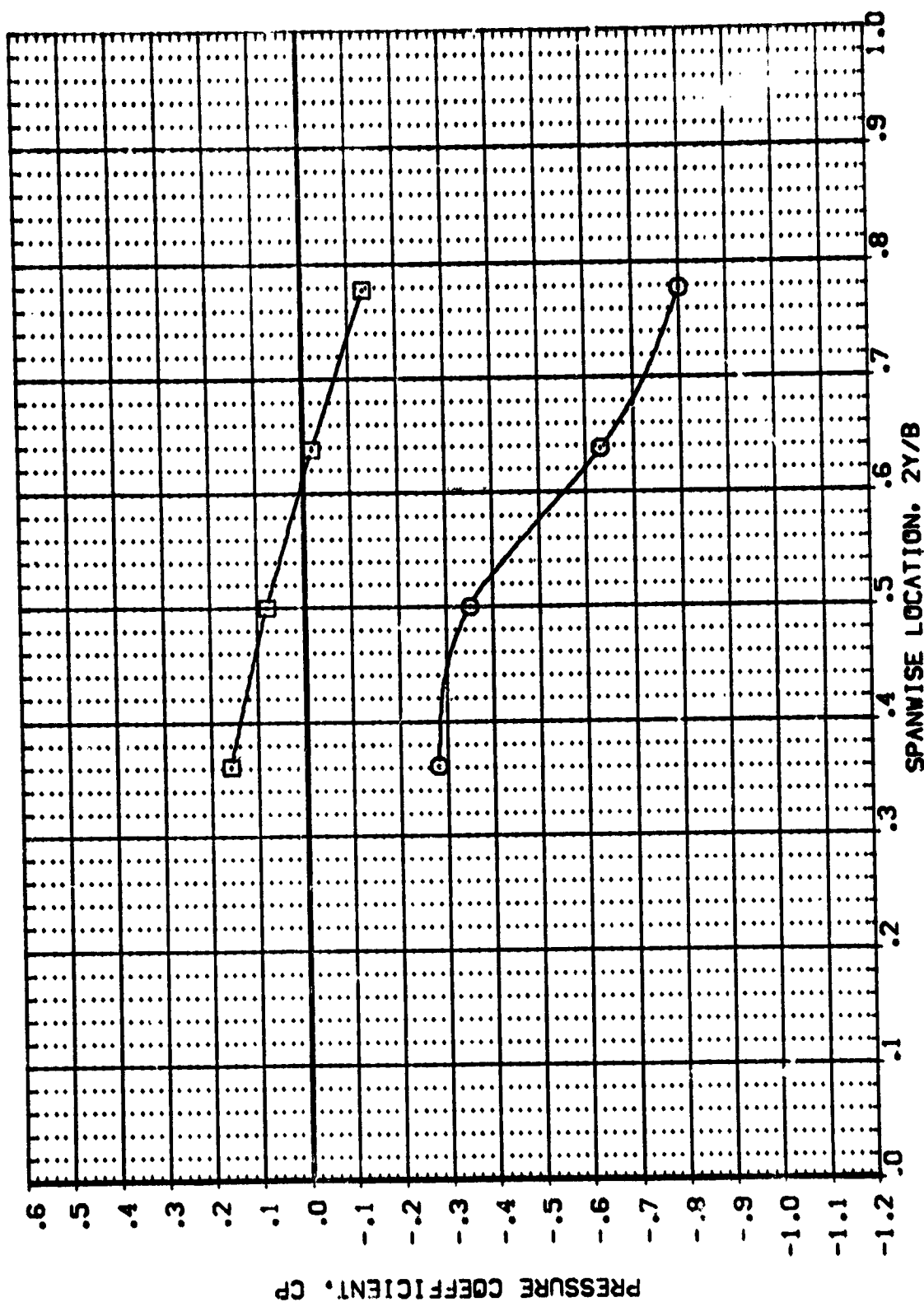


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .899 BETA = -1.860 X/C = .500

DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION:
 (REF403) JAGB C1 F1
 (REF403) JAGB C1 F1

ALPHA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

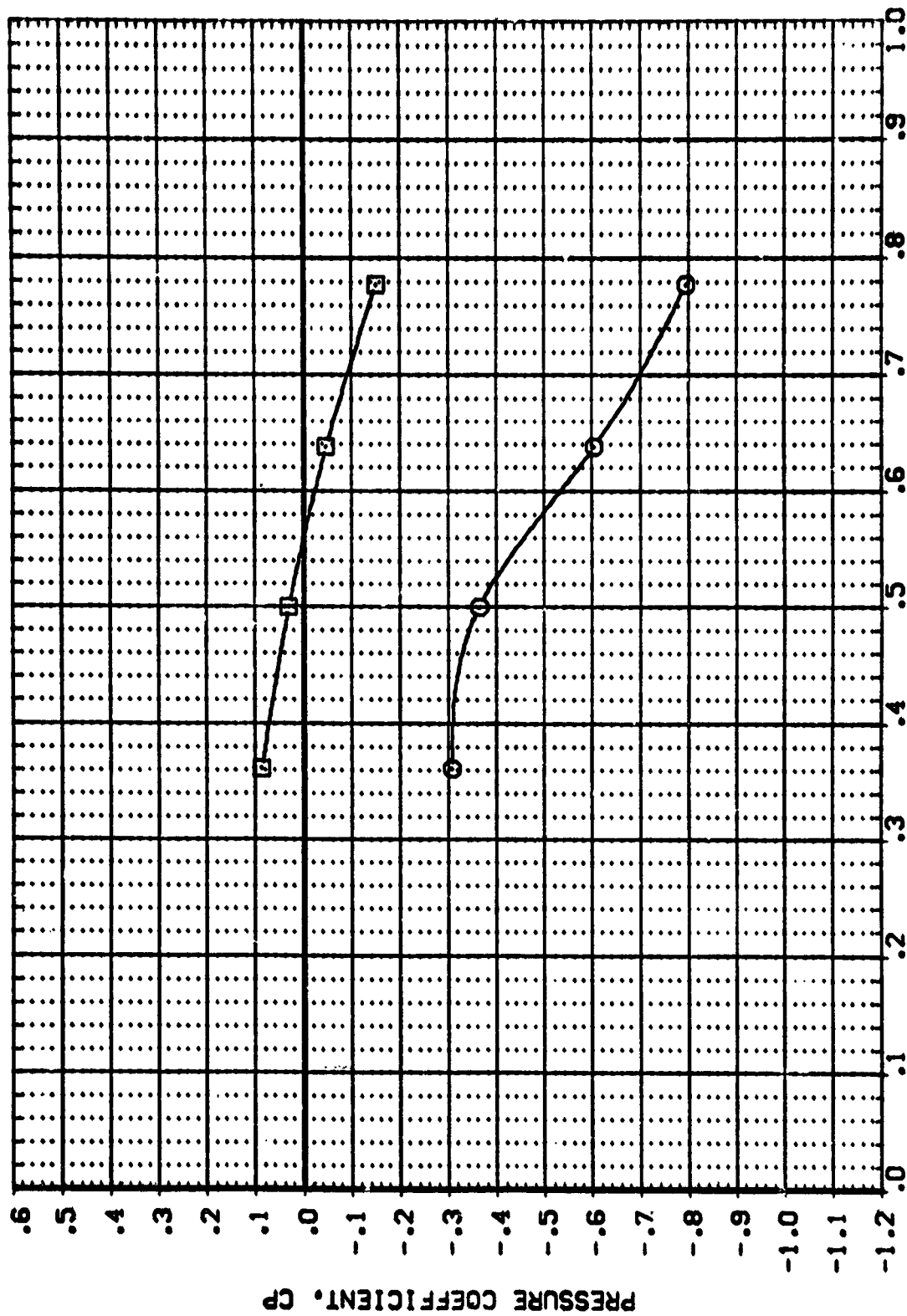


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .899 BETA = .050 X/C = .500

DATA SET SYMBOL: **9** CONFIGURATION DESCRIPTION: **1A68 C1 F1**
 (RF4LO3) (RF4LO3)

ALPHA: **.000**
 UPPER WING SURFACE: **.000**
 LOWER WING SURFACE: **.000**

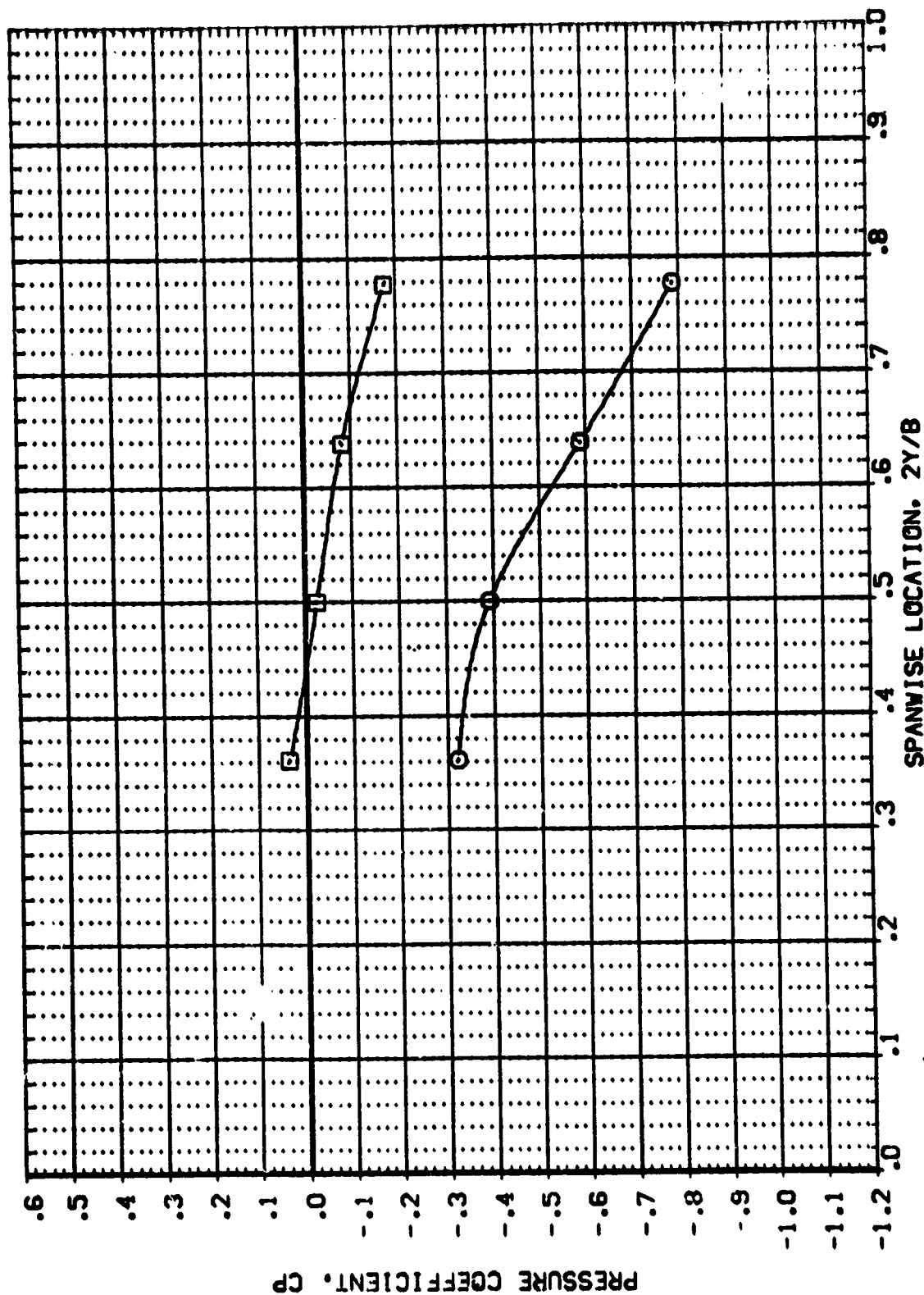


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .899 BETA = 1.970 X/C = .500

DATA SET SYMBOL: (R4L03)
 CONFIGURATION DESCRIPTION: IASB C1 F1
 IASB C1 F1

ALPHA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

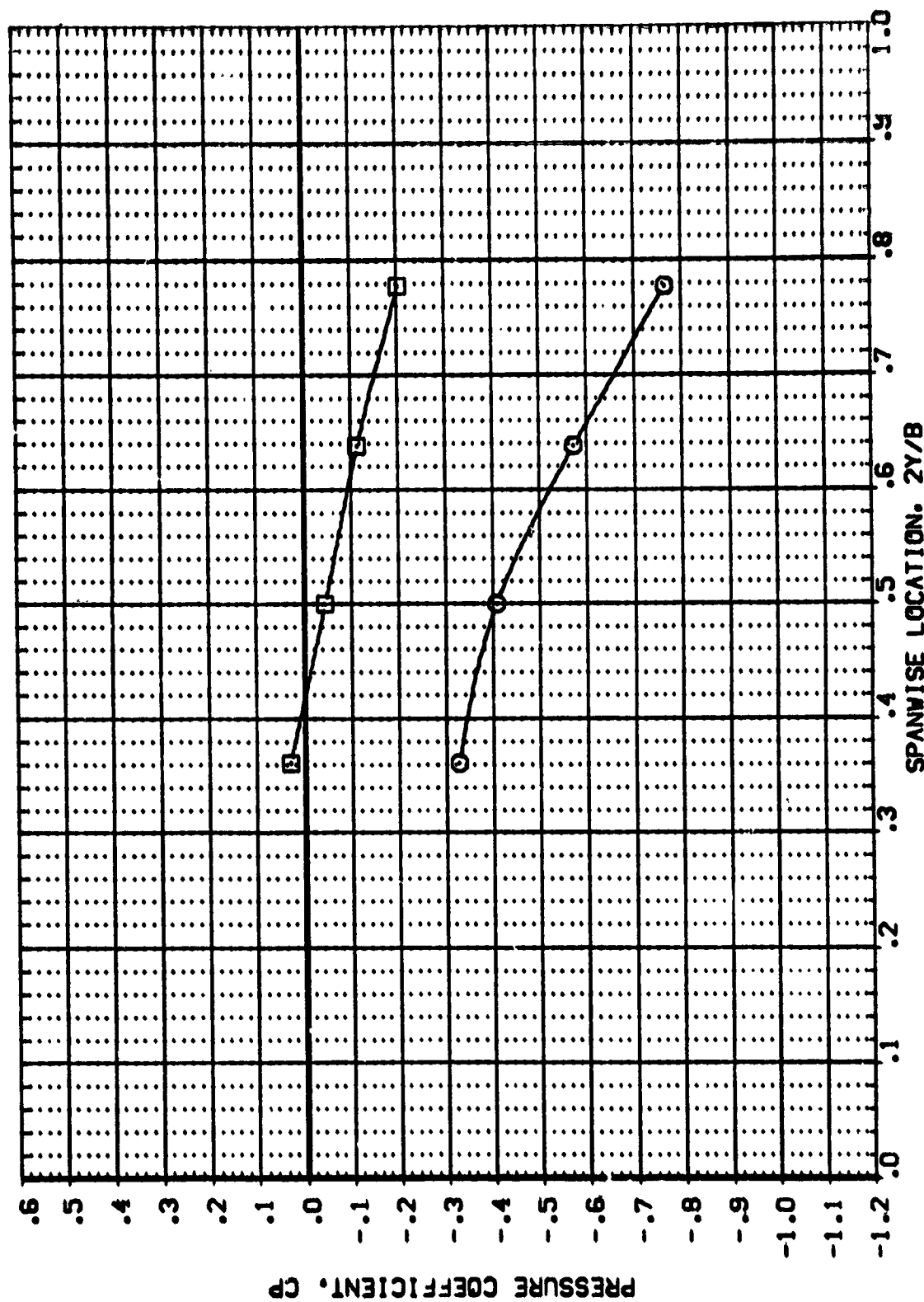


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = .899 BETA = 3.970 X/C = .500

DATA SET SYMBOL: 0
 (REF 4L03) (REF 4L03)
 CONFIGURATION DESCRIPTION: 1A88 C1 F1
 1A89 C1 F1

ALPHA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

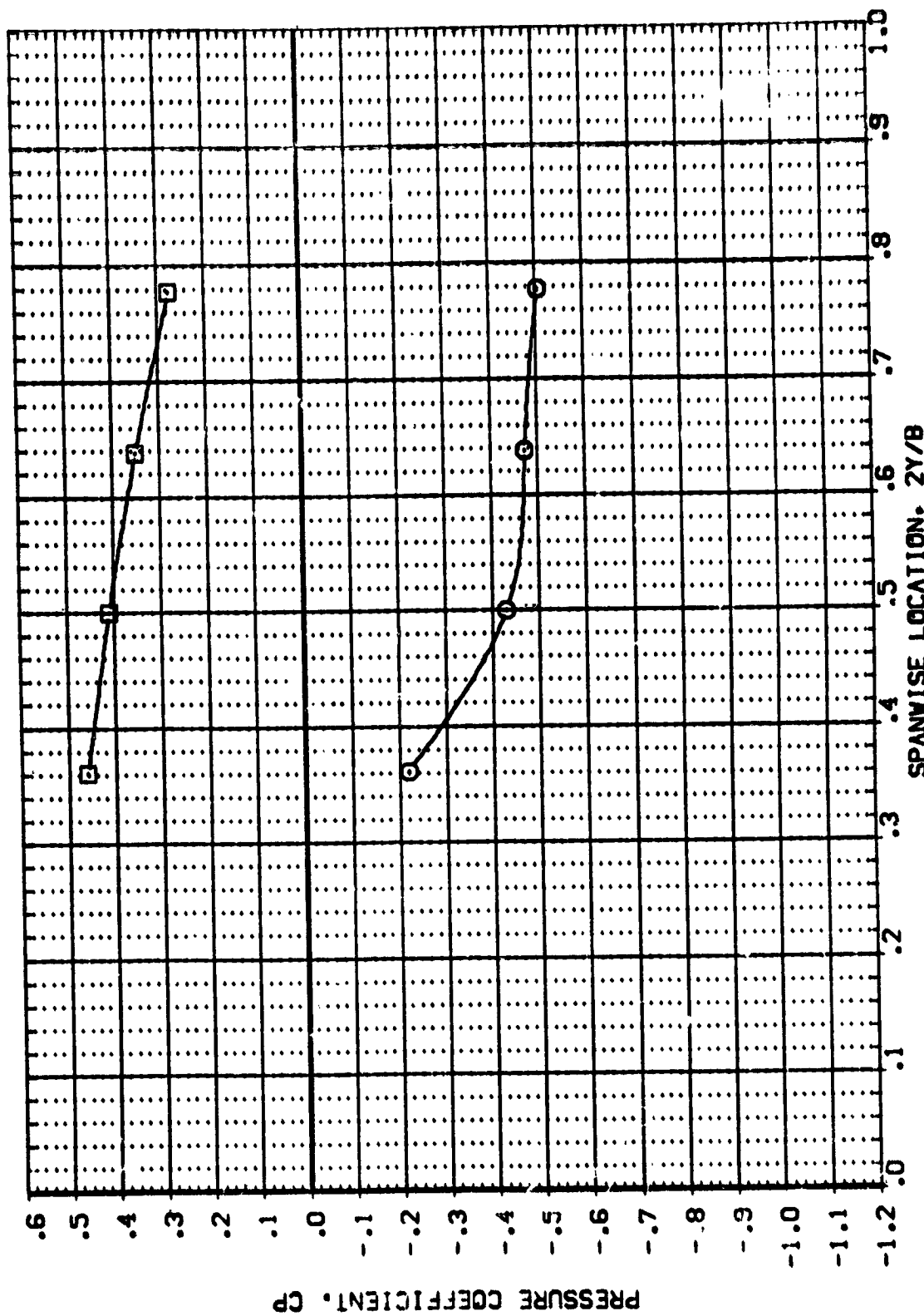


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 BETA = -3.850 X/C = .500



DATA SET SYMBOL: RF4L03
 CONFIGURATION DESCRIPTION: IASB C1 F1
 IASB C1 F1

UPPER WING SURFACE
 LOWER WING SURFACE

ALPHA
 .000
 .000

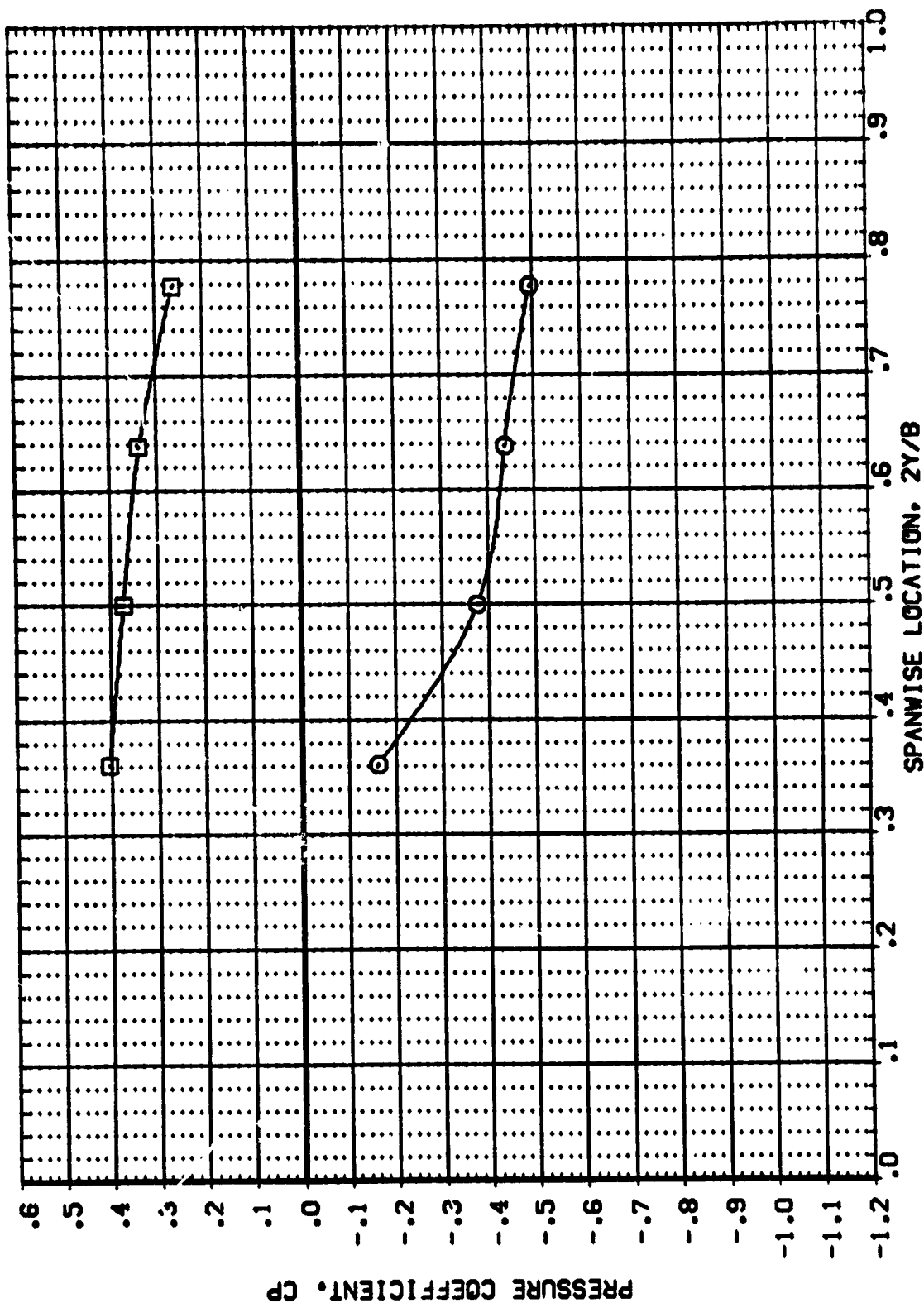


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 BETA = -1.900 X/C = .500



DATA SET SYMBOL: [RF4L03] [RF4L03]
CONFIGURATION DESCRIPTION: 1A58 C1 F1 1A58 C1 F1
ALPHA: .000
UPPER WING SURFACE: .000
LOWER WING SURFACE: .000

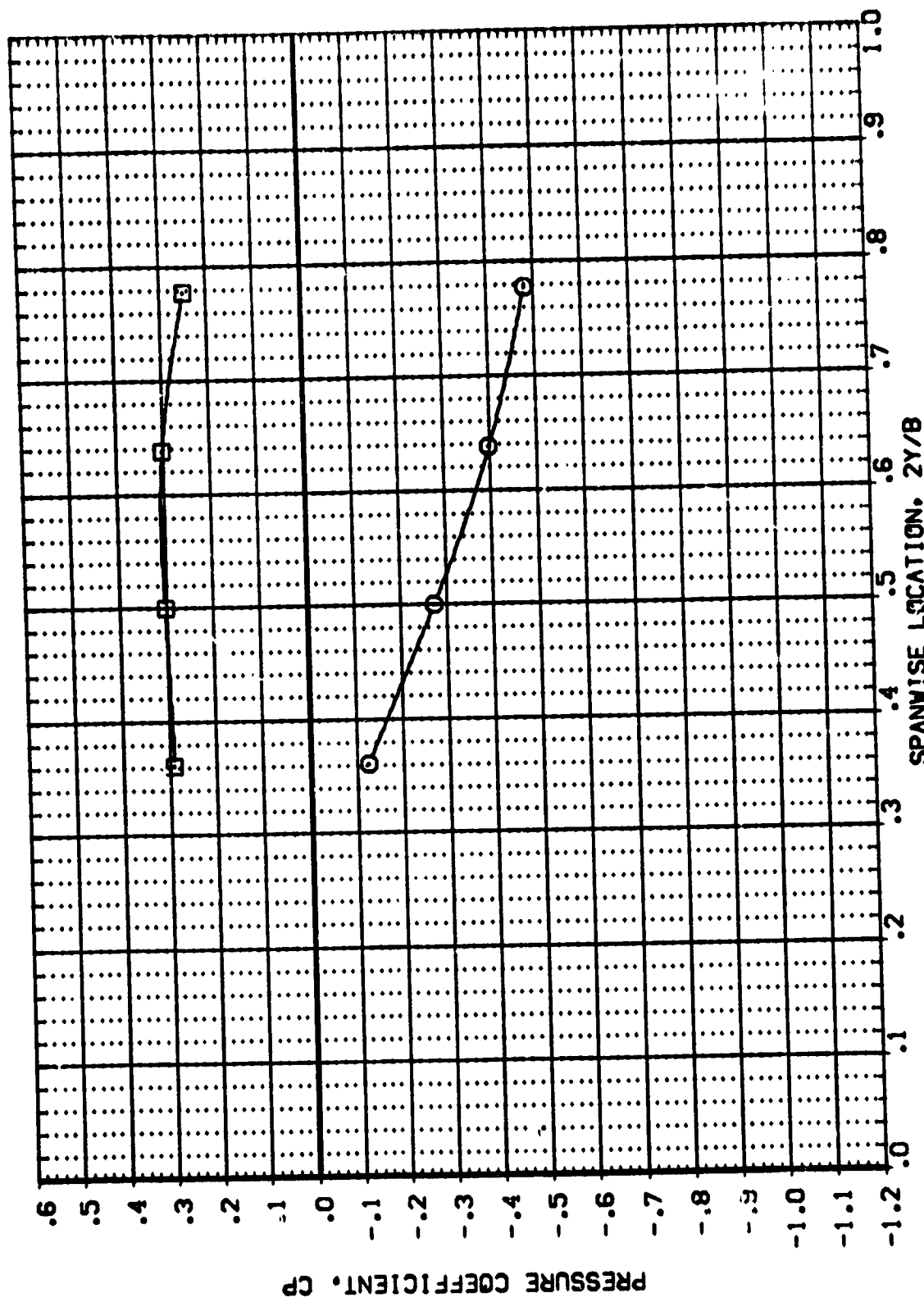


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 BETA = .000 X/C = .500

DATA SET SYMBOL: [RE4L03] [RE4L03]
 CONFIGURATION DESCRIPTION: IASB C1 F1 IASB C1 F1

UPPER WING SURFACE
 LOWER WING SURFACE

ALPHA
 .000
 .000

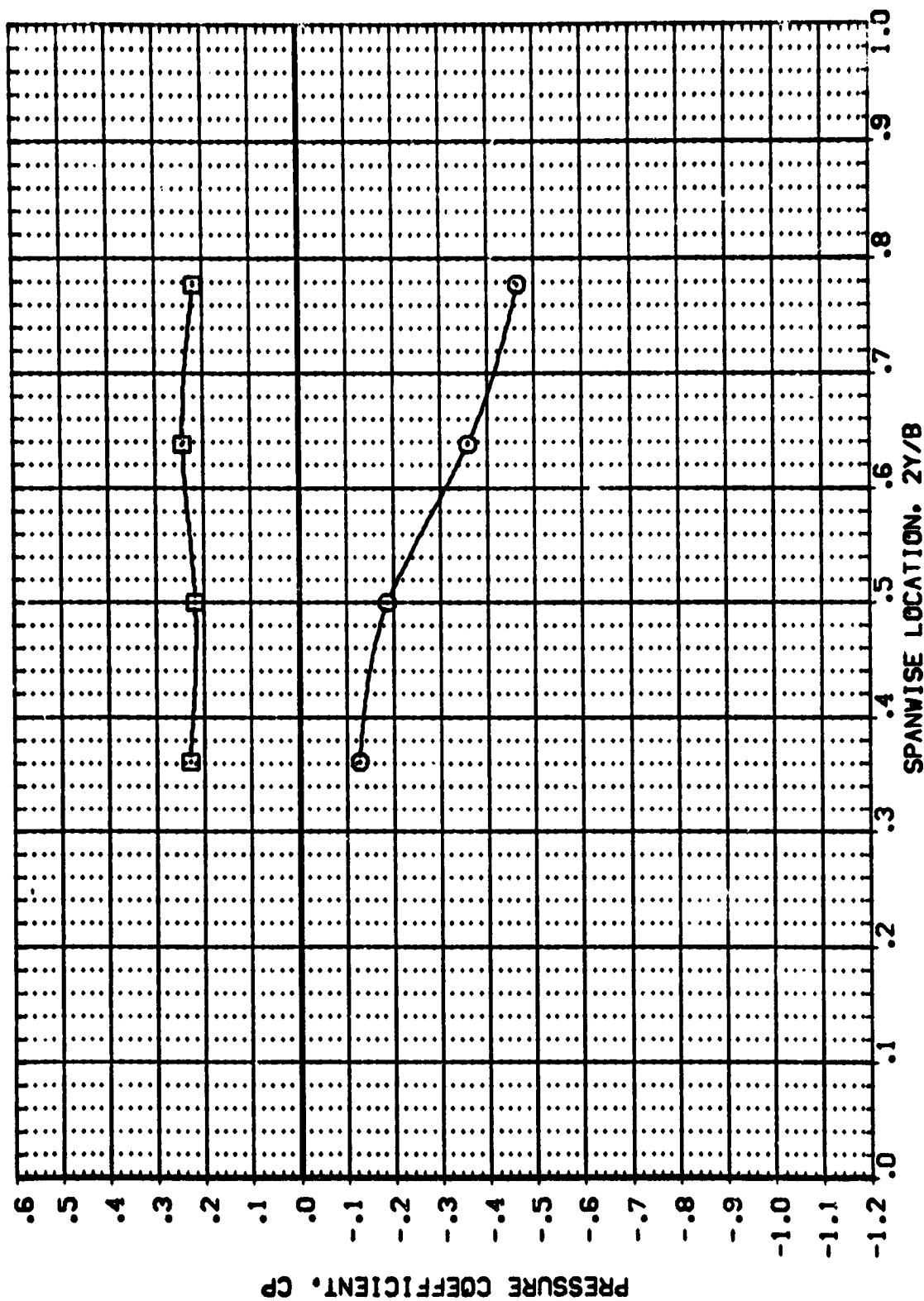


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.211 BETA = 1.900 X/C = .500

DATA SET SYMBOL: (RF 4003) (RF 4003)
 CONFIGURATION DESCRIPTION: 1A58 C1 F1 1A58 C1 F1

ALPHA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

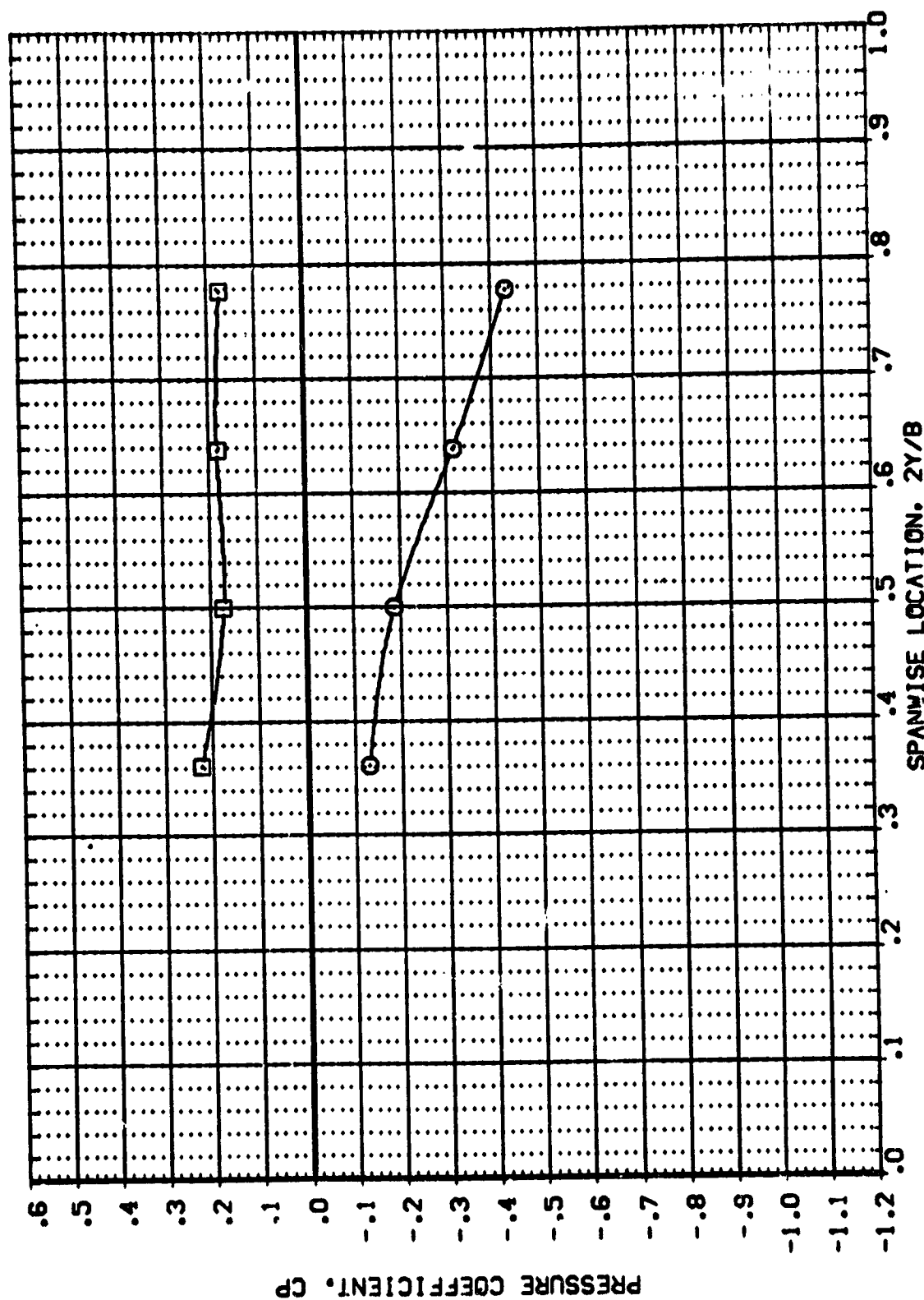


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT $X/C = 0.50$

MACH = 1.211 BETA = 3.920 $X/C = .500$



DATA SET S. 180. CONFIGURATION DESCRIPTION
 (REF-4103) 1A58 C1 F1
 (REF-4103) 1A58 C1 F1

UPPER WING SURFACE
 LOWER WING SURFACE

ALPHA
 .000
 .000

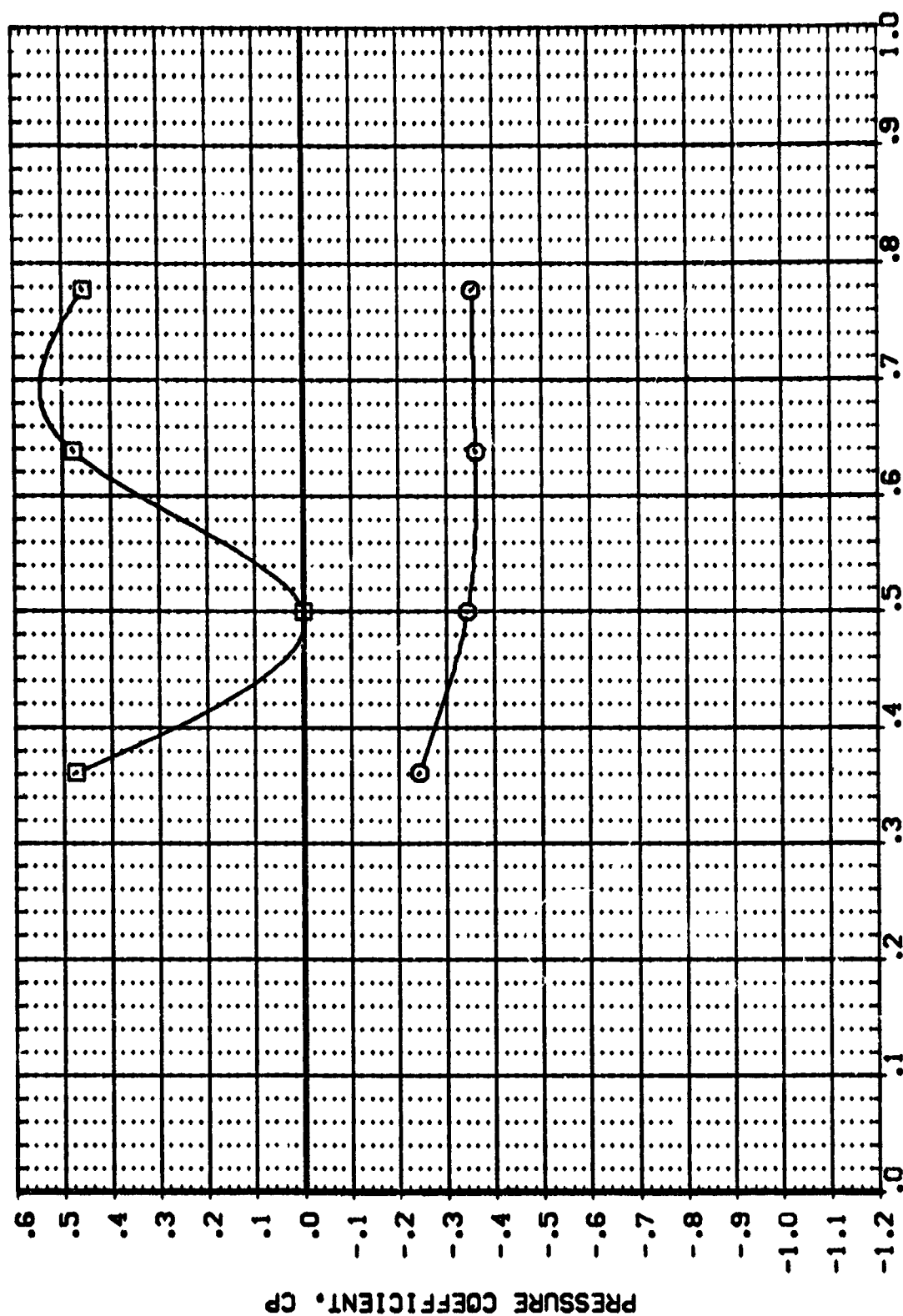


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT $X/C = 0.50$

MACH = 1.503 BETA = -3.910 $X/C = .500$

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R4L03) 1A5B C1 F1
 (R4L03) 1A5B C1 F1

UPPER WING SURFACE
 LOWER WING SURFACE

ALPHA
 .000
 .000

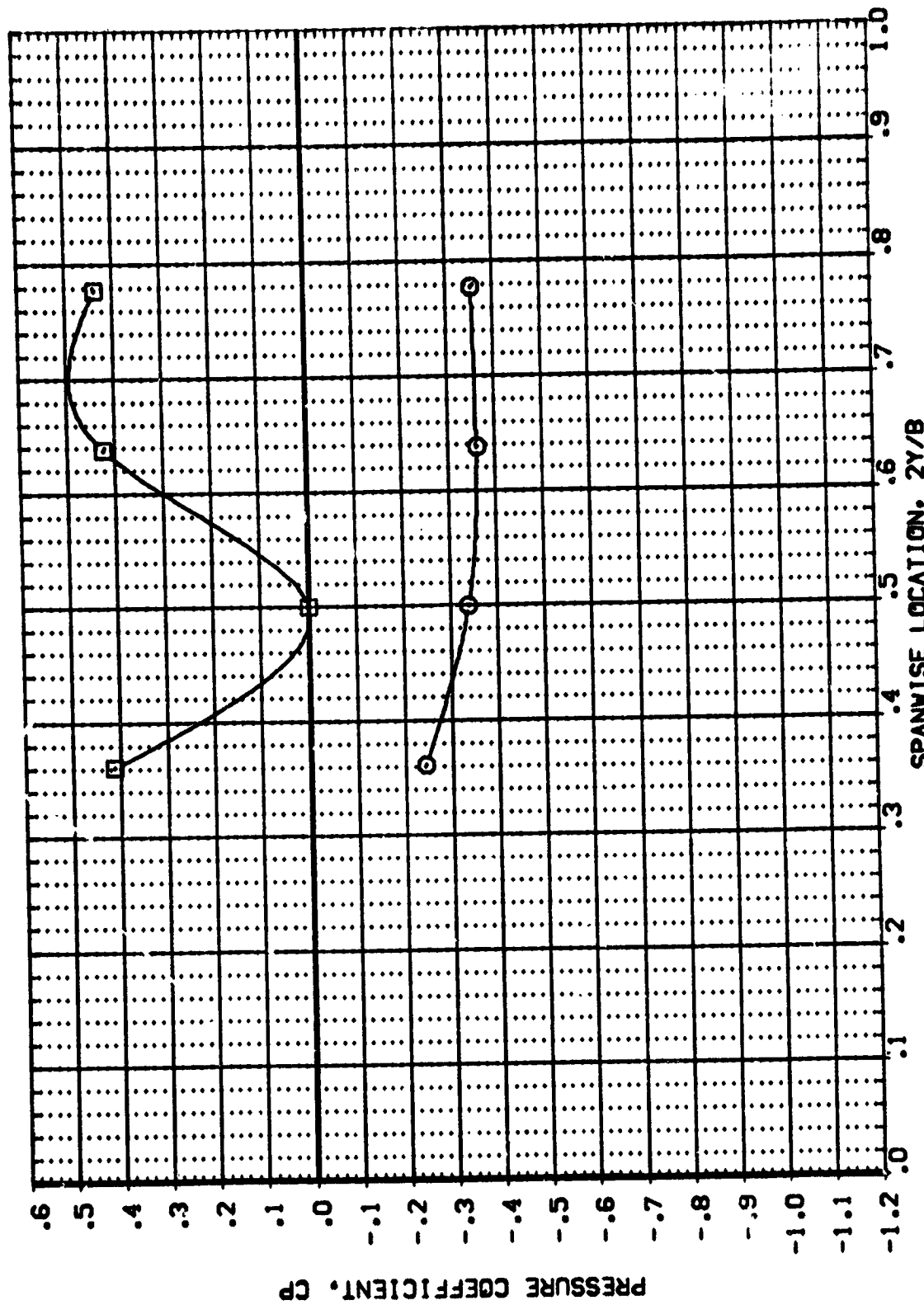


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT $X/C = 0.50$

MACH = 1.503 BETA = -1.980 $X/C = .500$



DATA SET SYMBOL: (NF4L03)
 (NF4L03)

CONFIGURATION DESCRIPTION:
 IAGB C1 F1
 IAGB C1 F1

ALPHA:
 .000
 .000

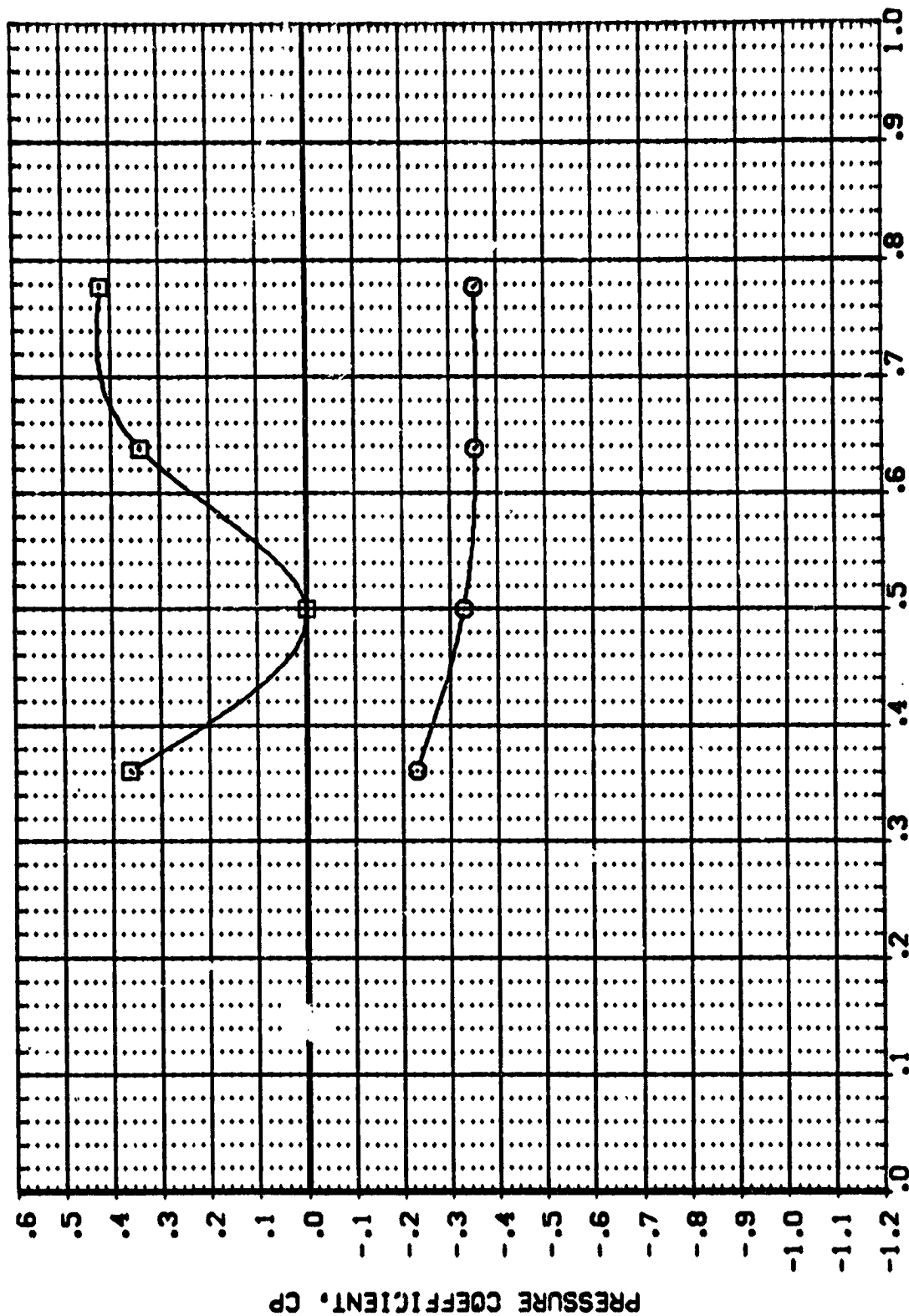


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 BETA = -0.070 X/C = .500

DATA SET SYMBOL: (RF4103) (RF4103)
 CONFIGURATION DESCRIPTION: JAGB C1 F1 JAGB C1 F1
 ALPHA: .000 .000
 UPPER WING SURFACE: .000 .000
 LOWER WING SURFACE: .000 .000

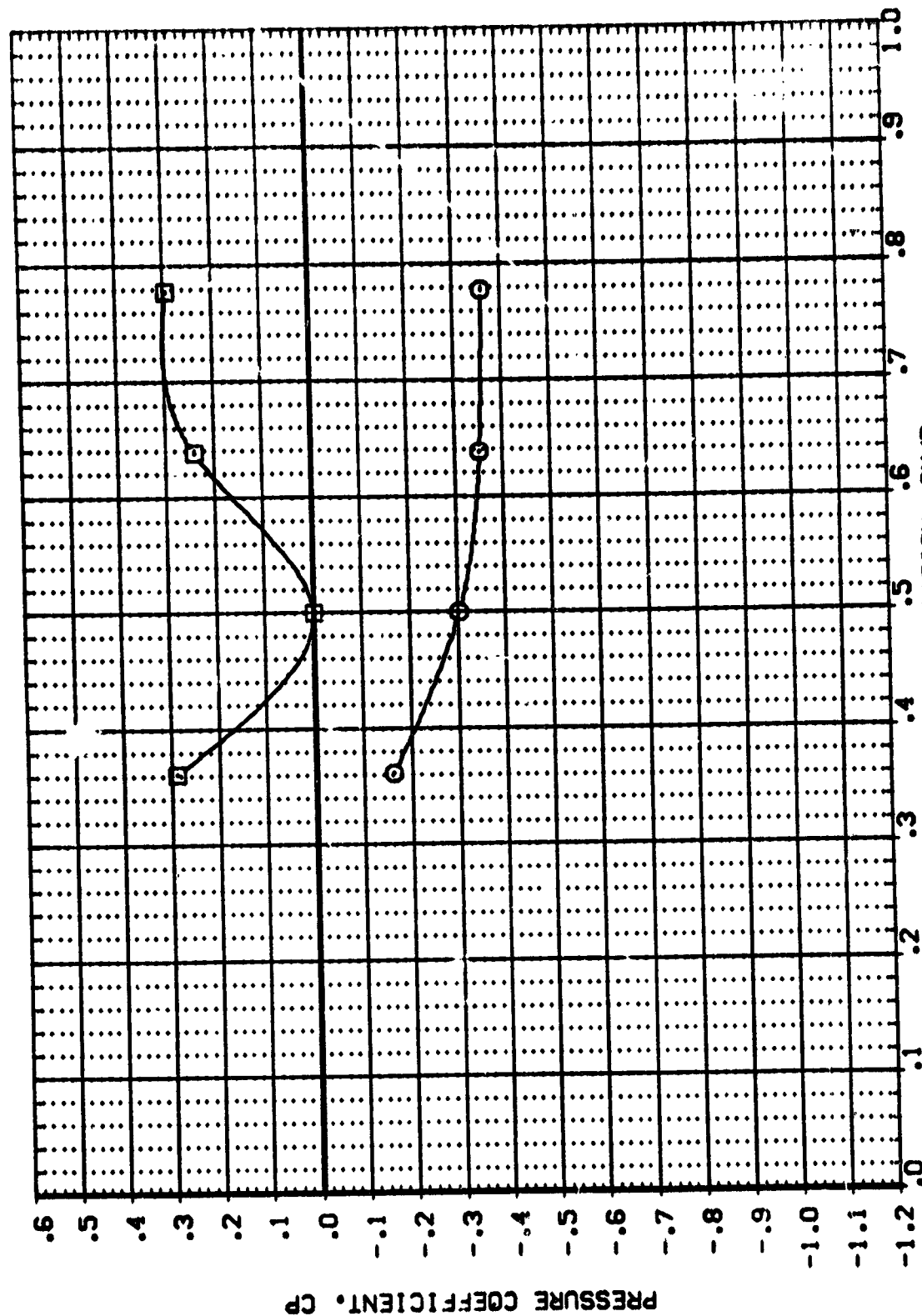


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 BETA = 1.910 X/C = .500



DATA SET SYMBOL: ☐ (RF4LQ3)
 CONFIGURATION DESCRIPTION: IASB C1 F1
 IASB C1 F1

UPPER WING SURFACE
 LOWER WING SURFACE

ALPHA
 .000
 .000

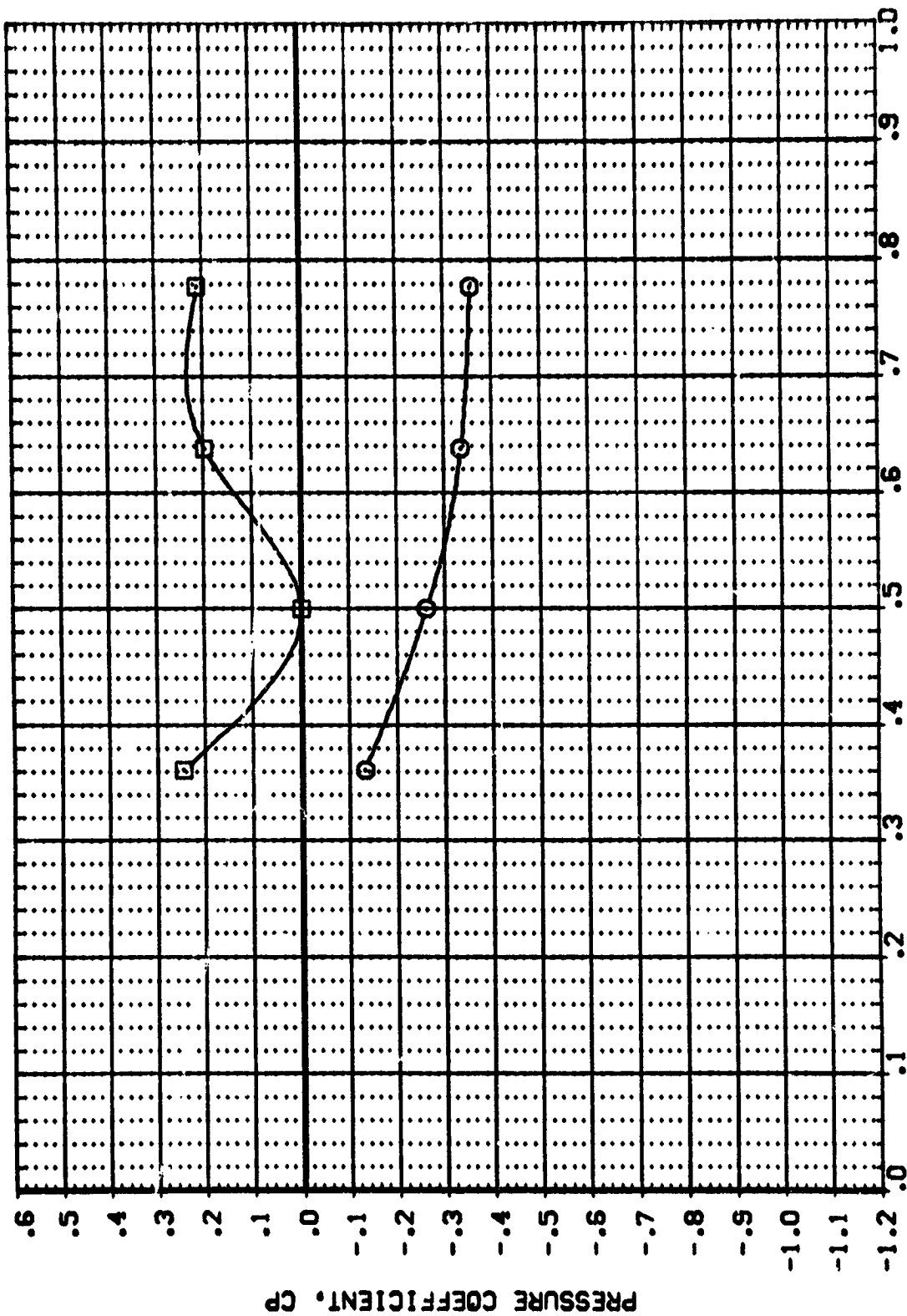


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.503 BETA = 3.980 X/C = .500

DATA SET SYMBOL: [RF4L03] [RF4L03] CONFIGURATION DESCRIPTION: IASB C1 F1 IASB C1 F1 ALPHA: .000 .000
 UPPER WING SURFACE LOWER WING SURFACE

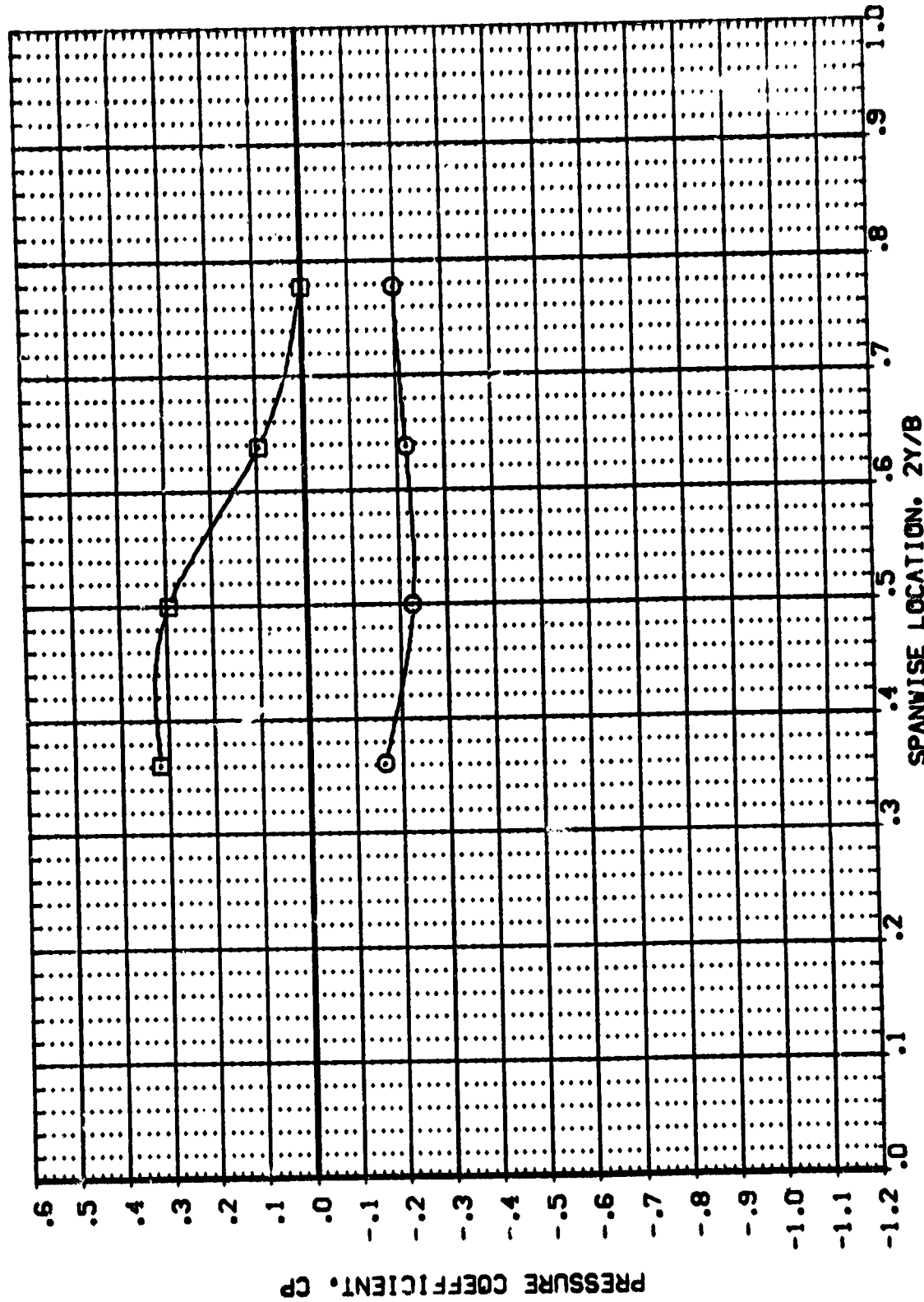


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 BETA = -3.830 X/C = .500

DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: IASB C1 F1 IASB C1 F1

UPPER WING SURFACE: ALPHA .000
LOWER WING SURFACE: ALPHA .000

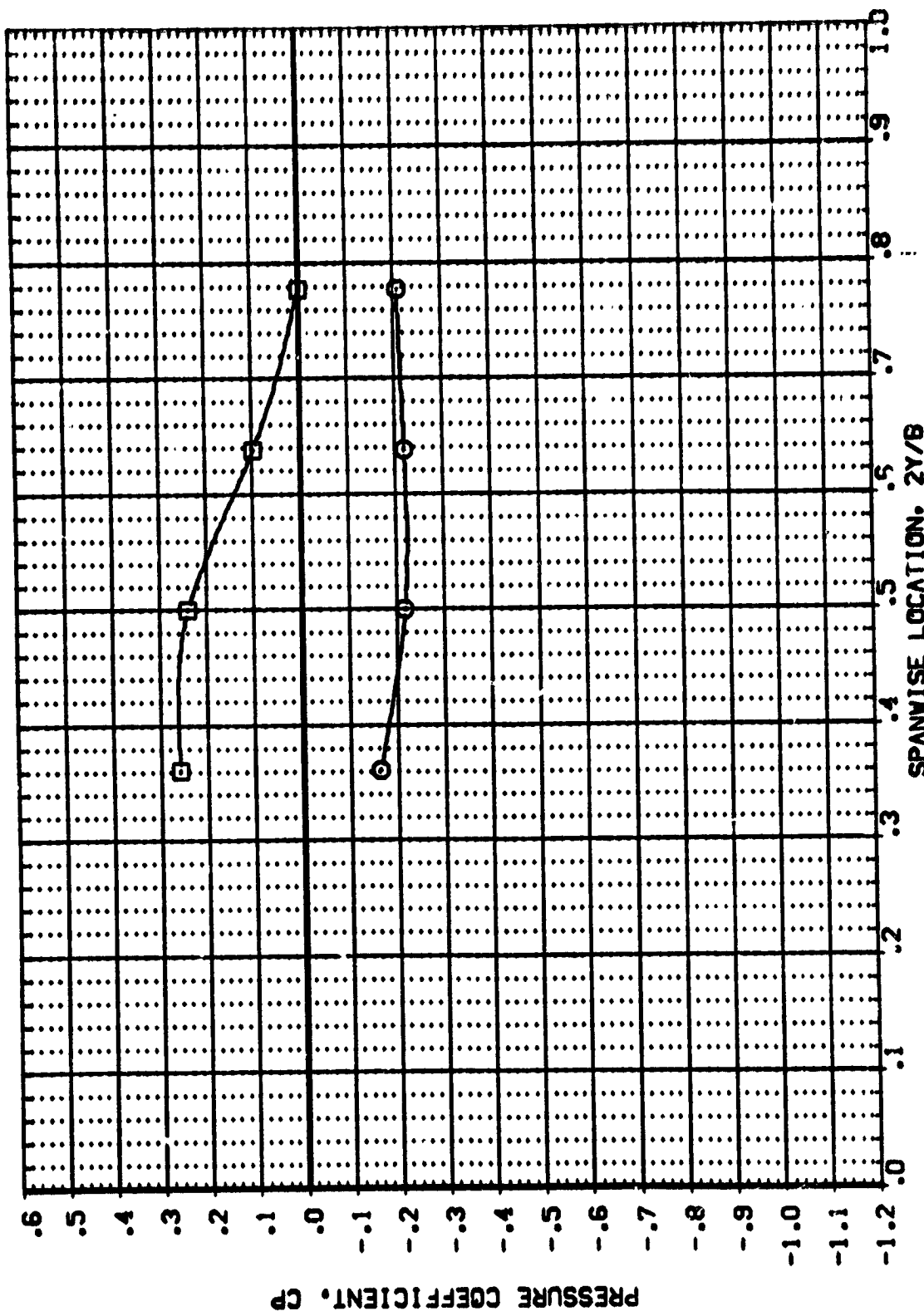


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 BETA = -1.900 X/C = .500

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DATA SET SYMBOL: 1A58 C1 F1
 (REF4UD3) 1A58 C1 F1
 (REF4UD3) 1A58 C1 F1

CONFIGURATION DESCRIPTION:
 UPPER WING SURFACE
 LOWER WING SURFACE

ALPHA
 .000
 .000

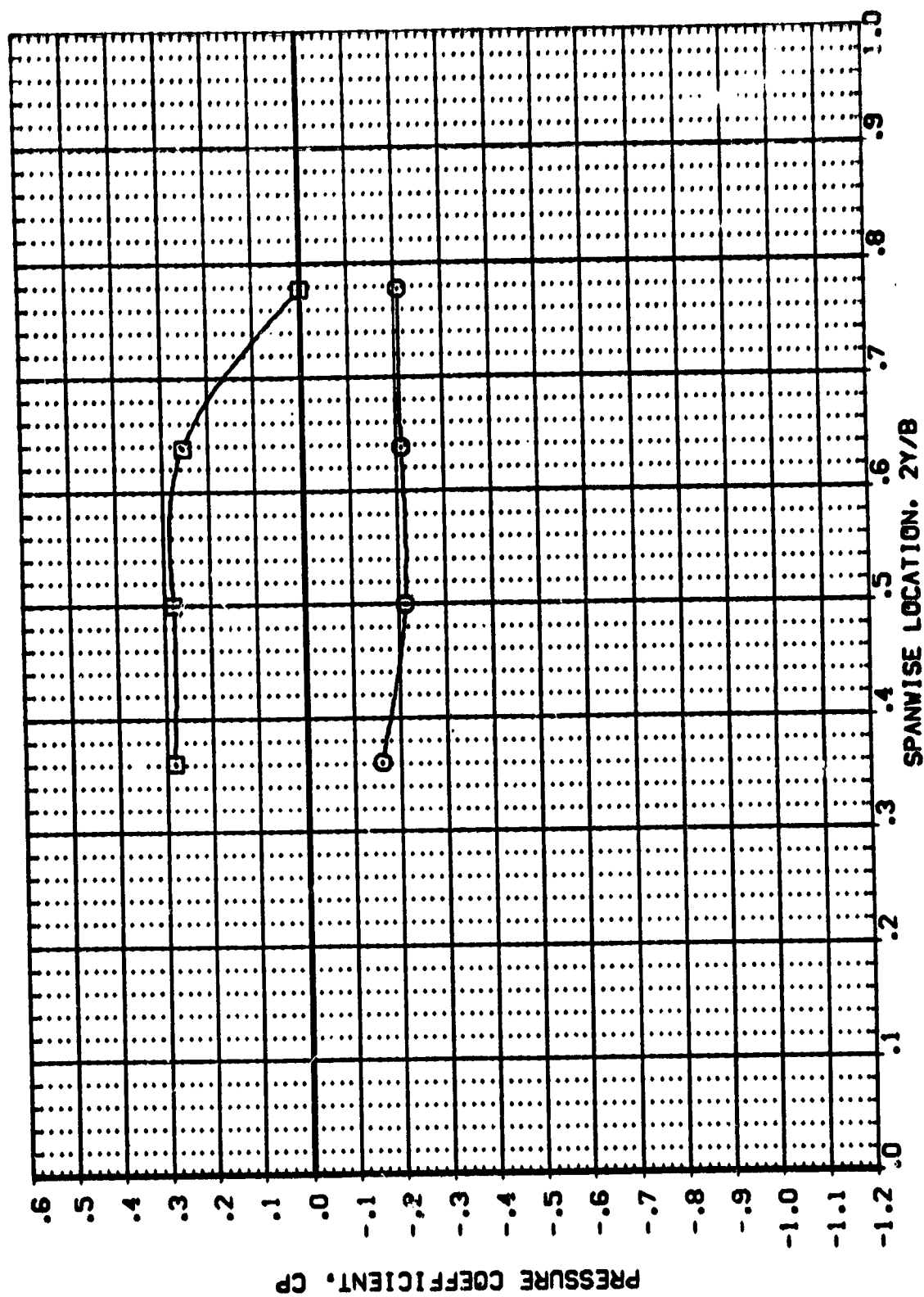


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 BETA = .050 X/C = .500

DATA SET 5-130L
 (164003) 1A58 CI F1
 (164003) 1A58 CI F1

CONFIGURATION DESCRIPTION
 UPPER WING SURFACE
 LOWER WING SURFACE

ALPHA
 .000
 .000

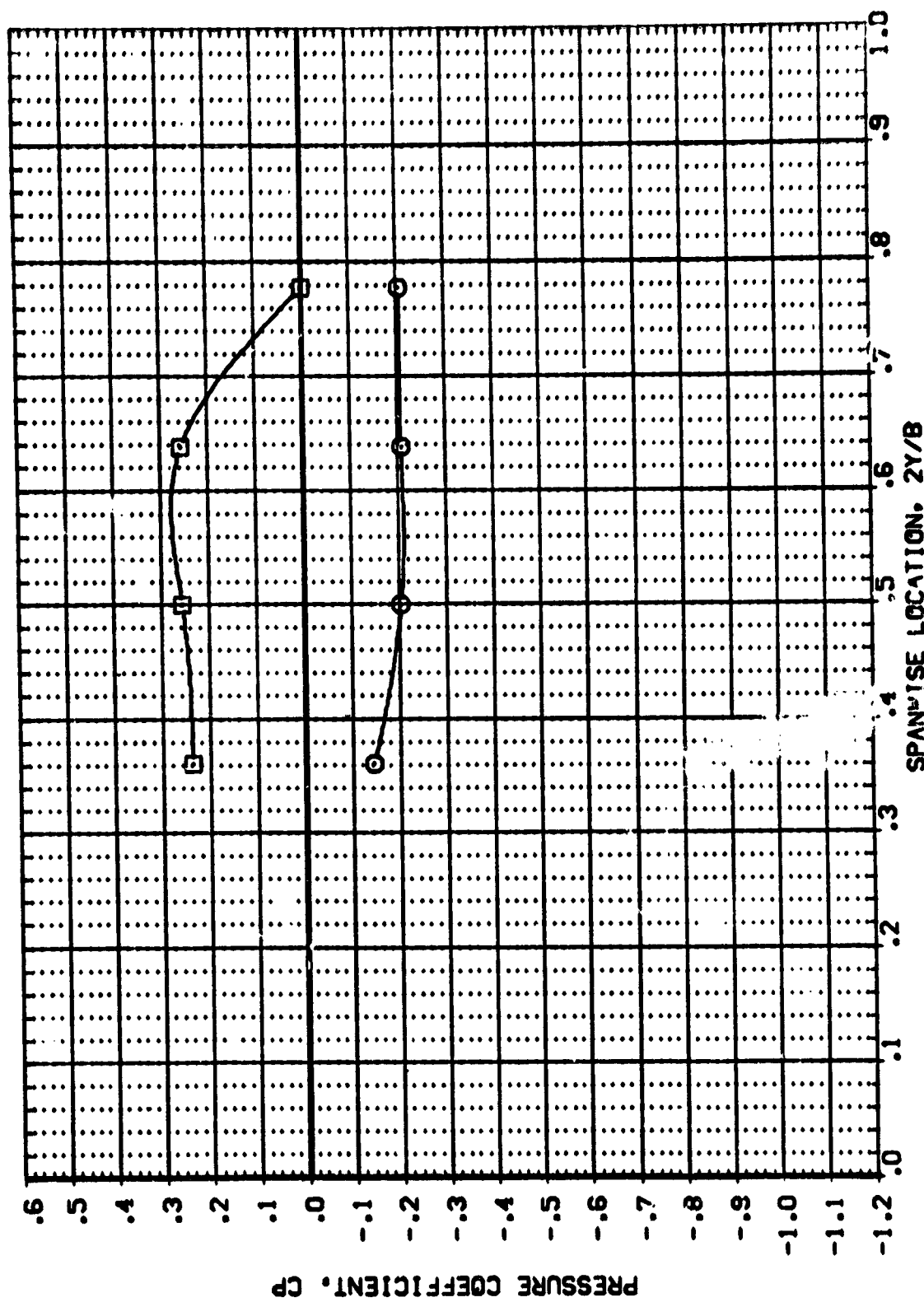


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 BETA = 2.020 X/C = .500

DATA SET SYMBOL: [RE4L03] [RE4L03]
 CONFIGURATION DESCRIPTION: [AGB C1 F1] [AGB C1 F1]
 ALPHA: .000
 UPPER WING SURFACE: .000
 LOWER WING SURFACE: .000

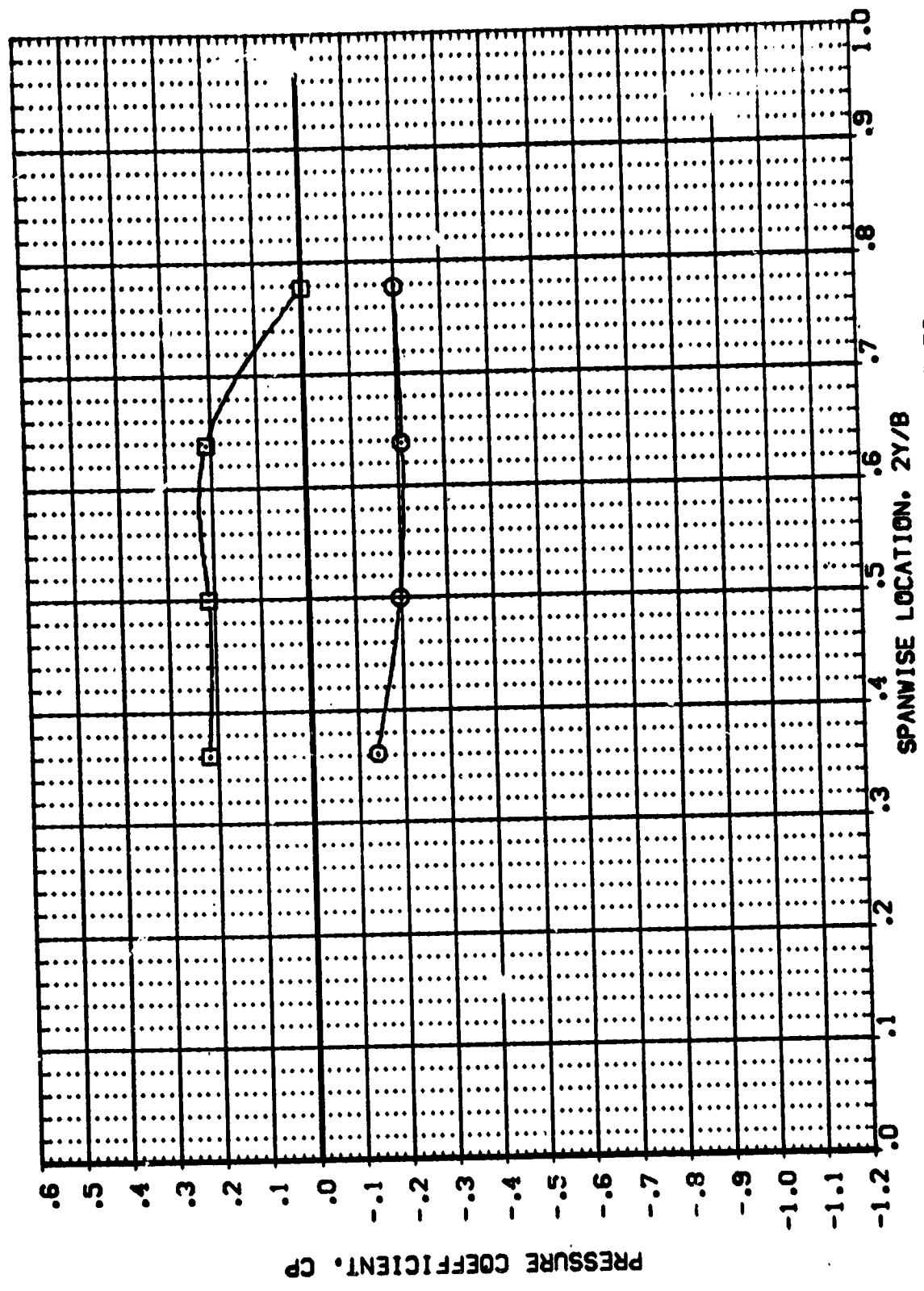


FIG 9 WING SPANWISE PRESSURE COEFFICIENTS AT X/C = 0.50

MACH = 1.991 BETA = 3.890 X/C = .500



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 {AFALDA} {C1 F1 M111} - {C1 F1} UPPER WING
 {AFALDA} {C1 F1 M111} - {C1 F1} LOWER WING

BETA
 .000
 .000

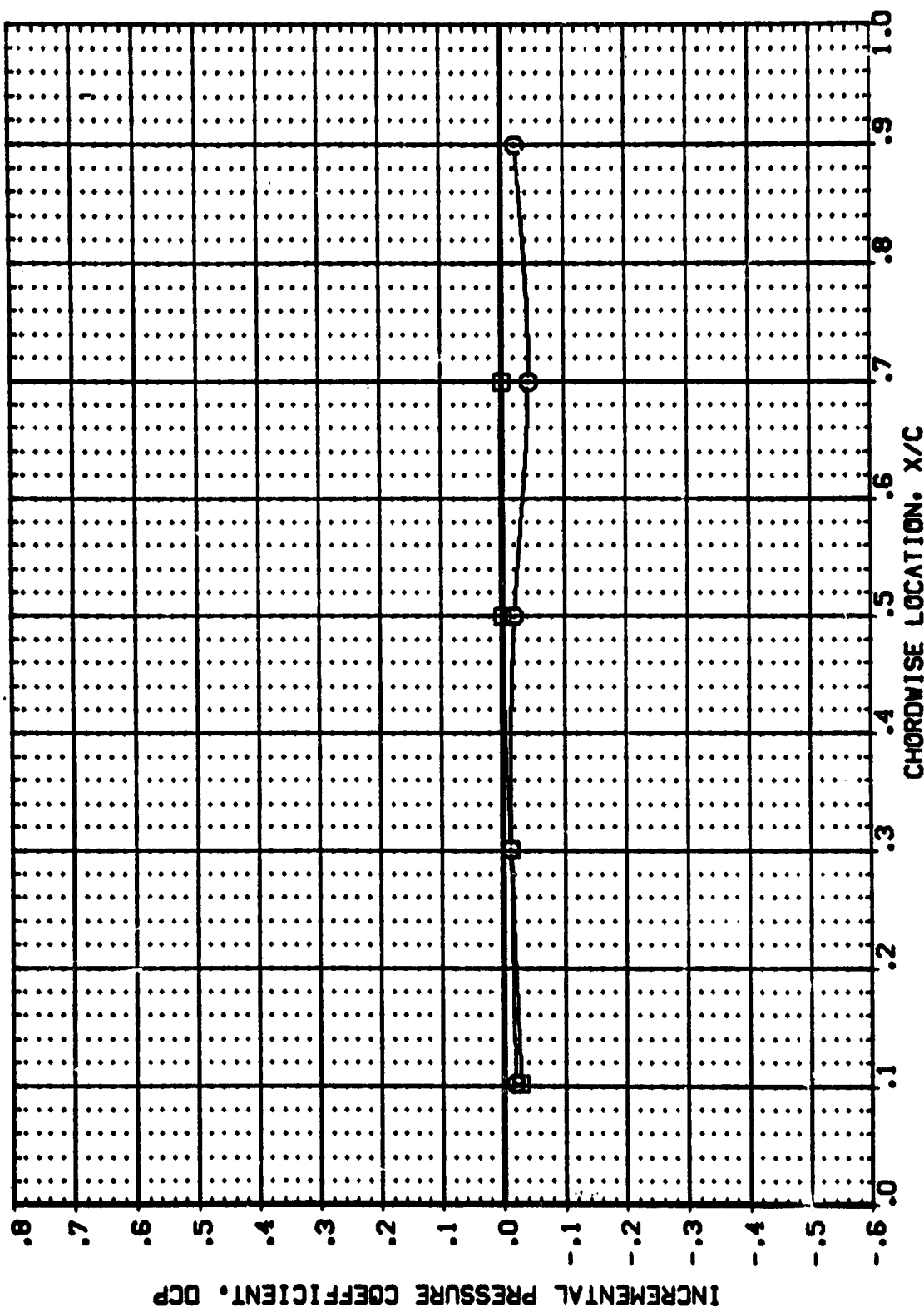


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -3.870 2Y/B = .500

PAGE

83

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 { AF4LO4 } 1AGB { C1 F1 M1(1) } - { C1 F1 } UPPER WING
 { AF4LO4 } 1AGB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

BETA
 .000
 .000

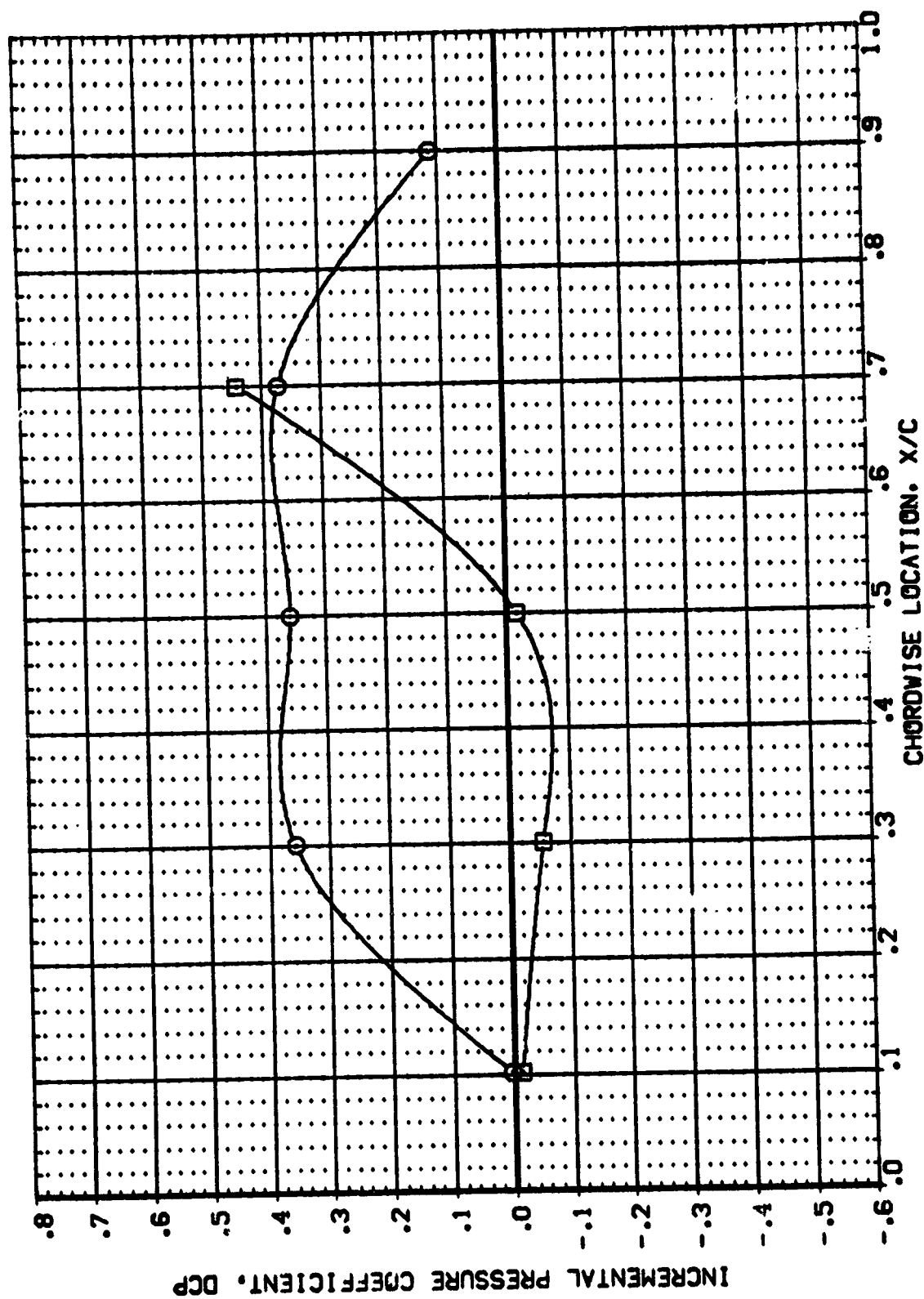


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -2.000 2Y/B = .500 PAGE 84

| DATA SET SYMBL | CONFIGURATION | DESCRIPTION |
|----------------|----------------------|------------------------|
| (NF4LOA) | IAB8 { C1 F1 MI(1) } | - { C1 F1 } UPPER VING |
| (NF4LOA) | IAB8 { C1 F1 MI(1) } | - { C1 F1 } LOWER VING |

BETA **000.000**

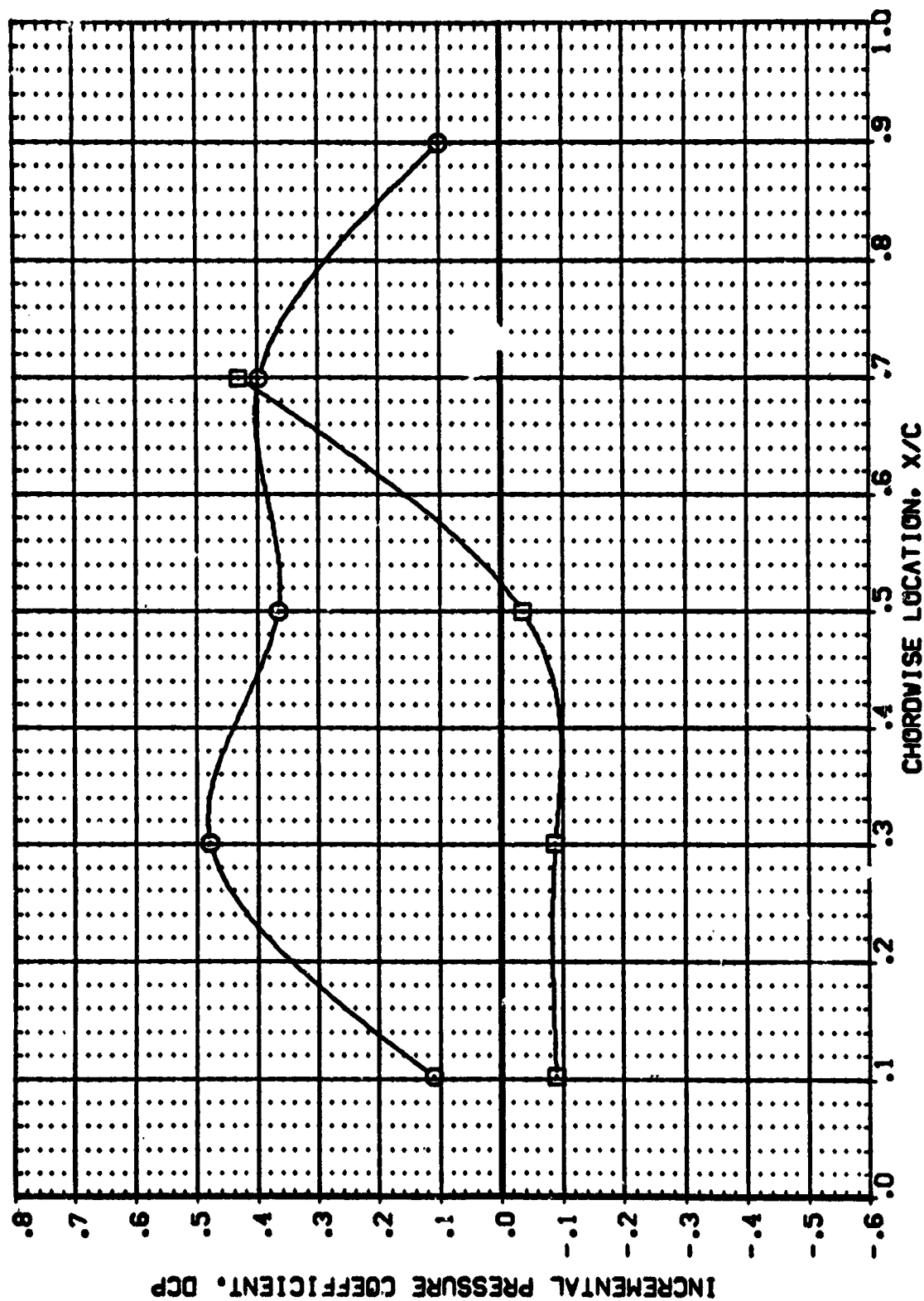


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

$$\text{MACH} = .896 \quad \text{ALPHA} = .000 \quad 2Y/B = .500$$

BETA **.000**

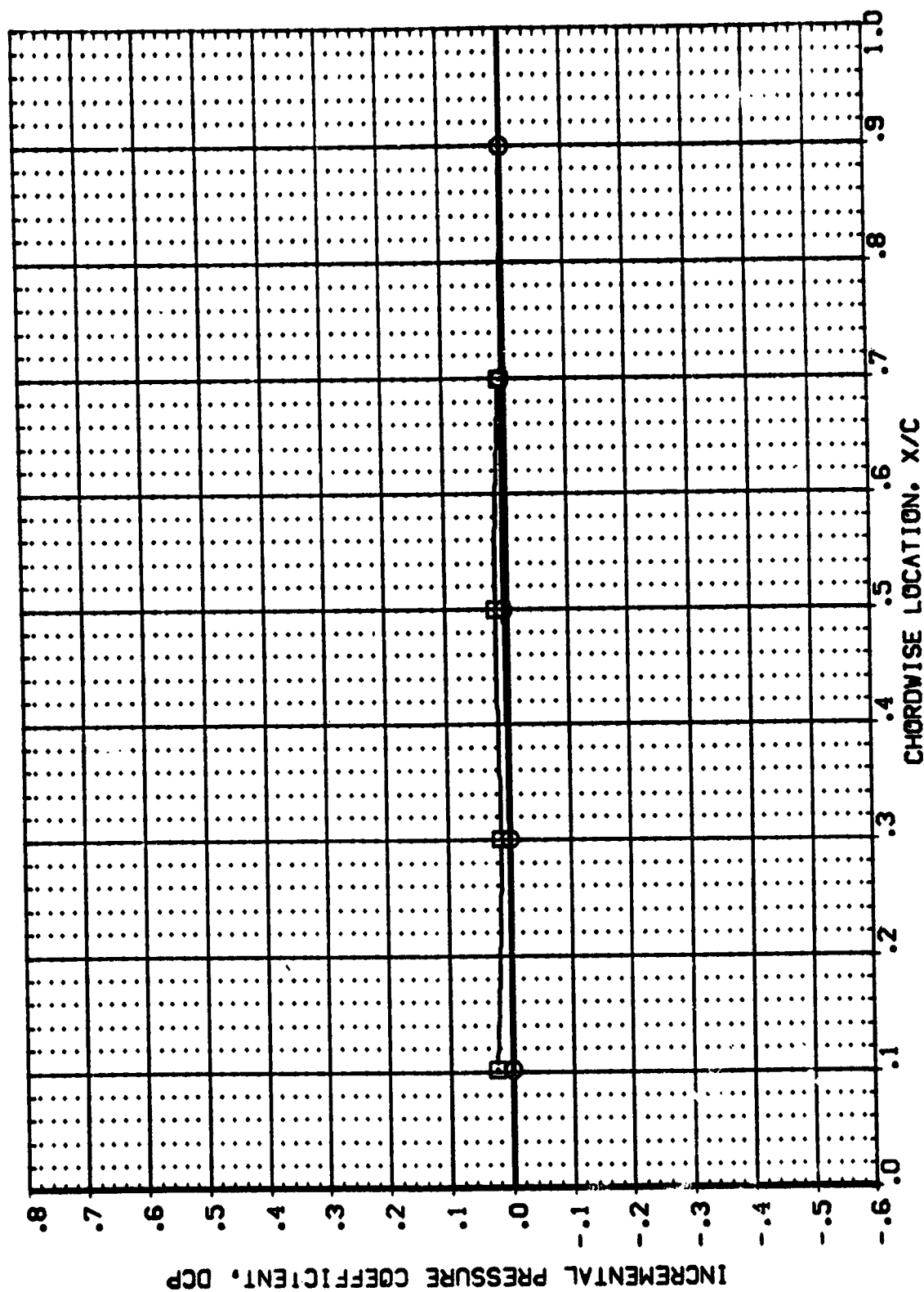


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = -3.910 2Y/B = .500

PAGE 86



| DATA SET SYMBOL | CONFIRMATION | DESCRIPTION |
|-----------------|----------------------|--------------------------|
| (AF4LO4) | 1A88 (C1 F1 M1(1)) | - (C1 F1) UPPER VINING |
| (AF4LO4) | 1A89 (C1 F1 M1(1)) | - (C1 F1) LOWER VINING |

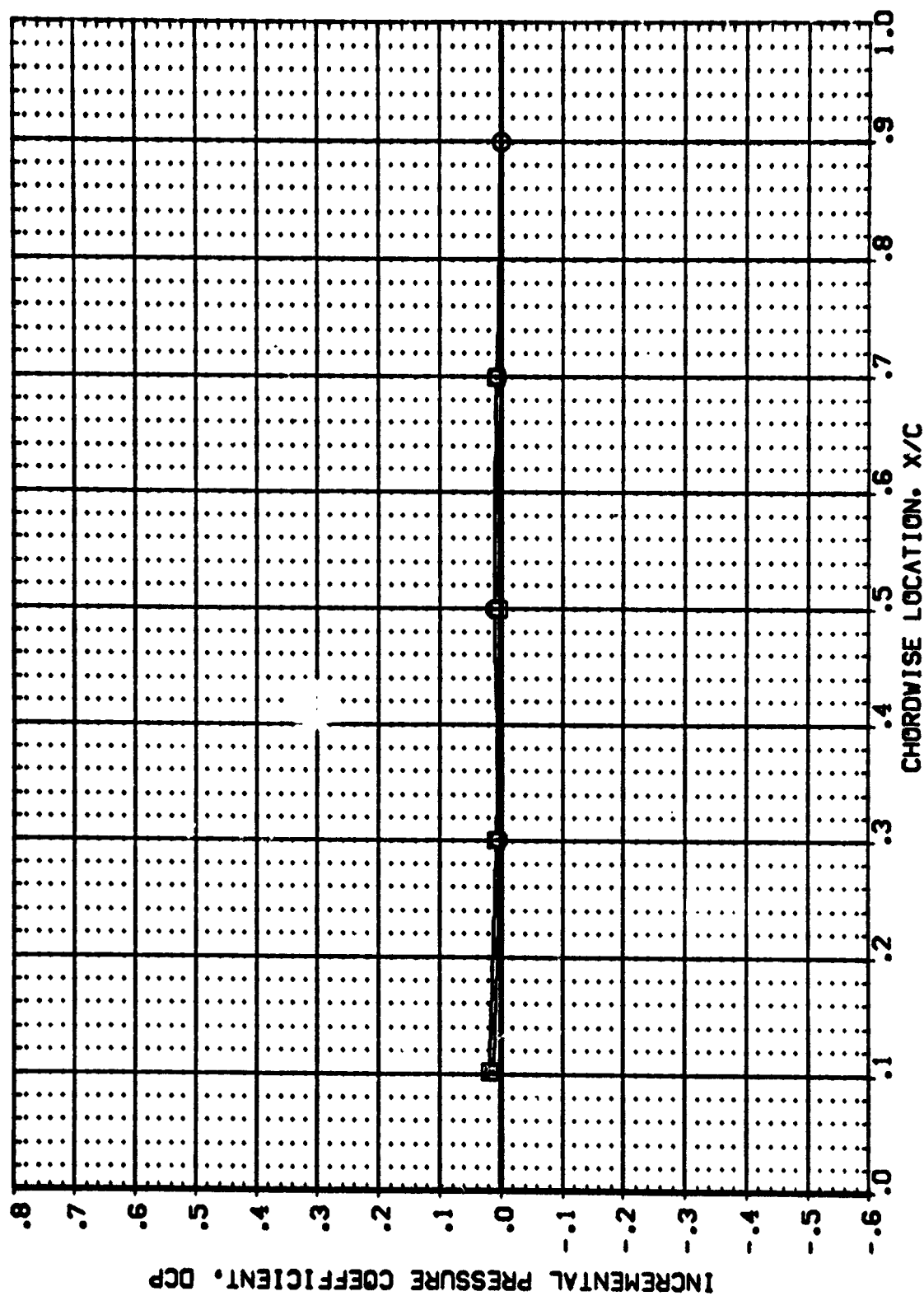


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

$$\text{MACH} = 1.211 \quad \text{ALPHA} = -1.930 \quad 2Y/B = .500$$

DATA SET SYMBOL CONFIGURATION DESCRIPTION BETA

[AF4LO4] [AF4LO4] IASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING .000

[AF4LO4] [AF4LO4] IASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING .000

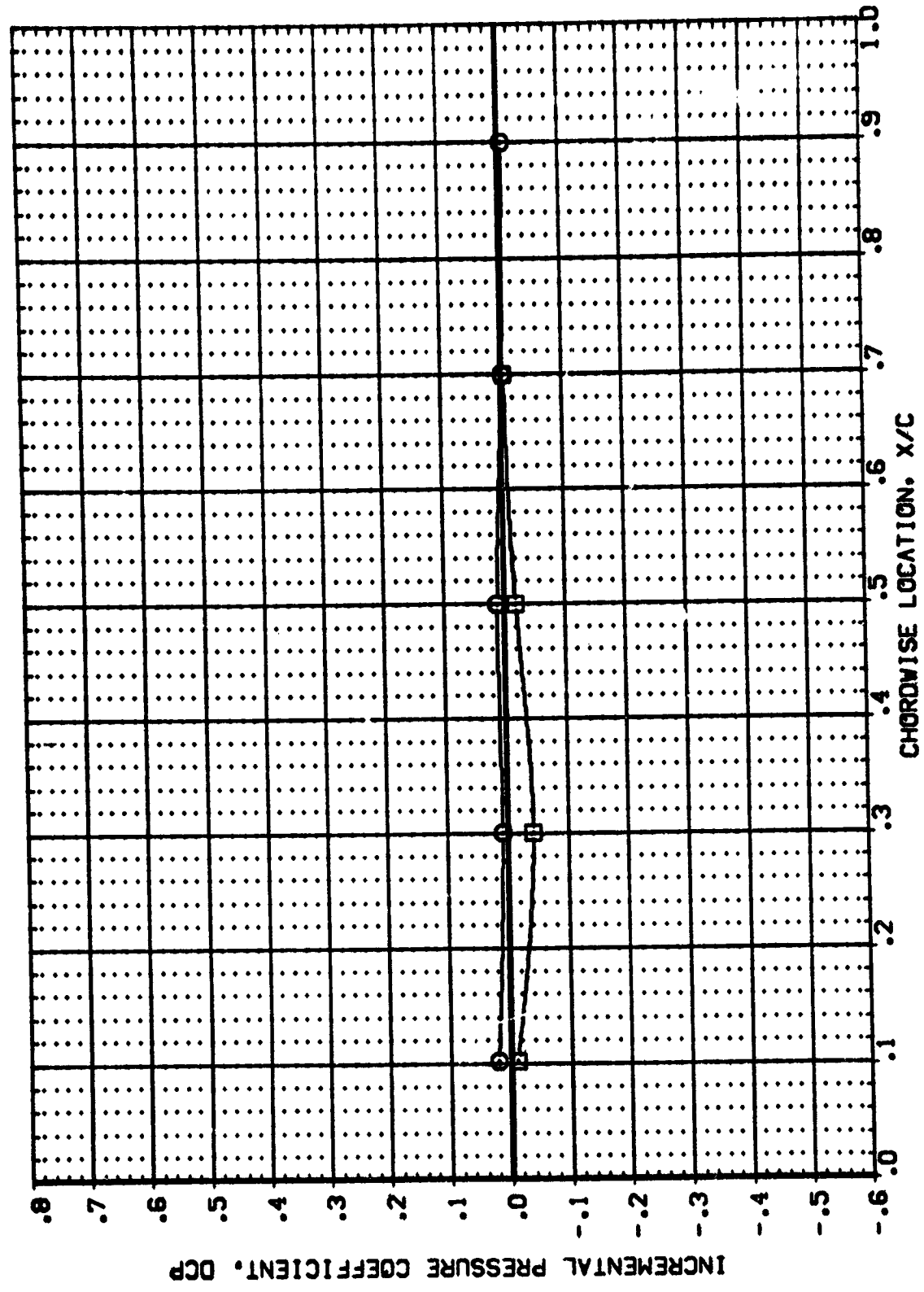


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = .000 2Y/B = .500 PAGE 88



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA
 {AF4LO4} 1A88 {C1 F1 H1(1)} - {C1 F1} UPPER WING .000
 {AF4LO4} 1A88 {C1 F1 H1(1)} - {C1 F1} LOWER WING .000

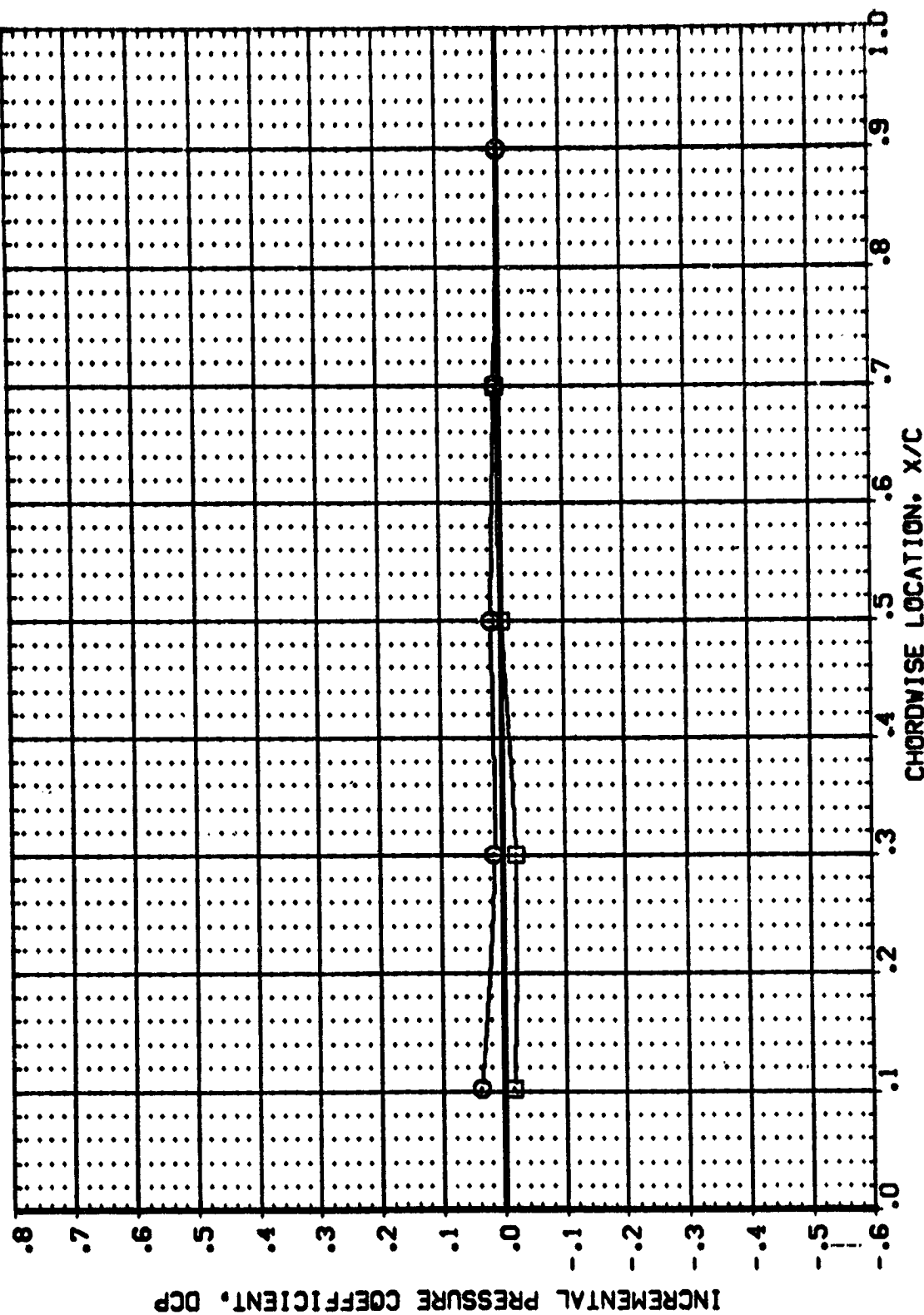


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = 1.930 2Y/B = .500

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DATA SET SYMB. CONFIGURATION DESCRIPTION BETA
 (AF4LO4) 0 IASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING .000
 (AF4LO4) 0 IASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING .000

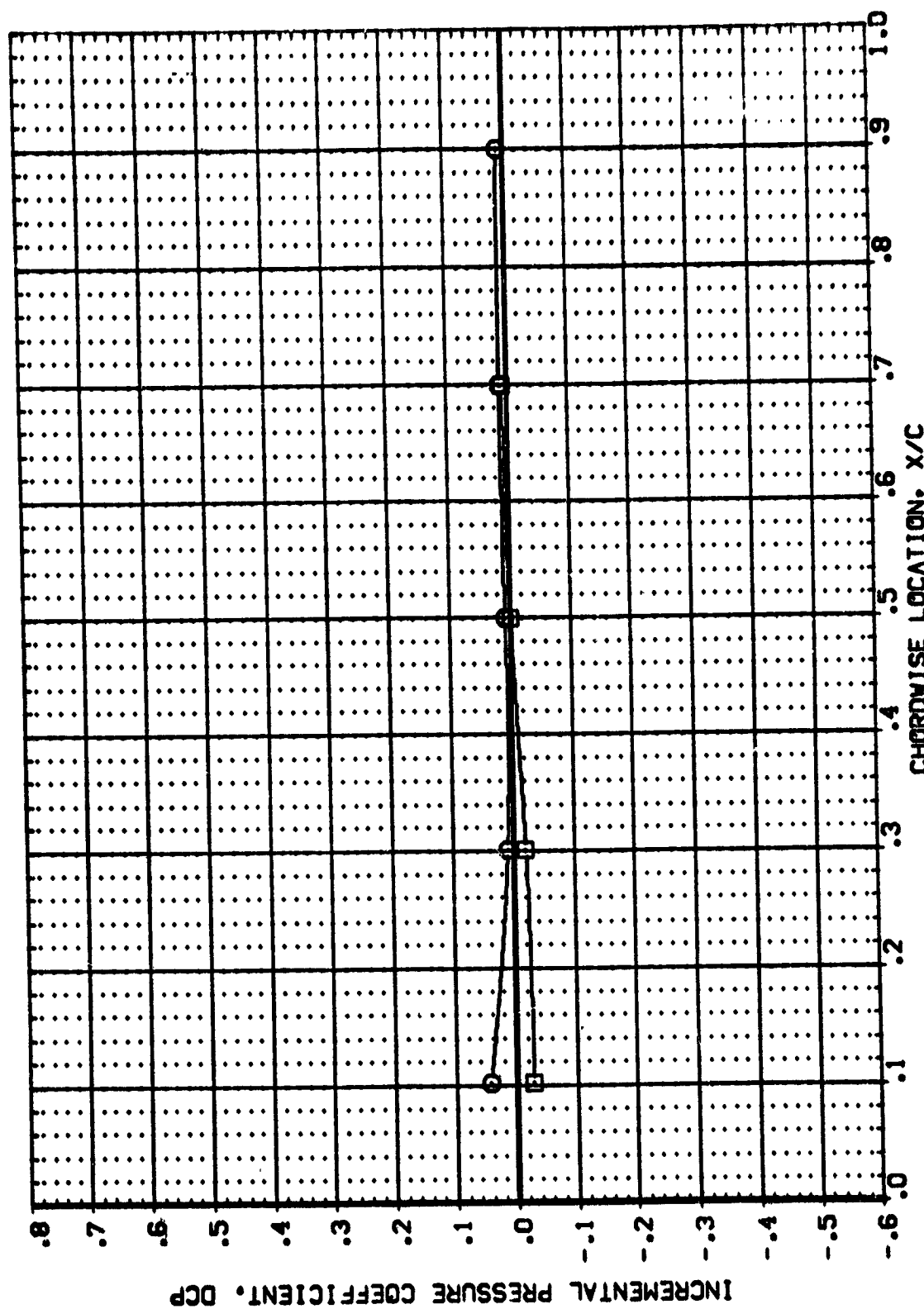


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = 3.900 2Y/B = .500 PAGE 90



DATA SET SYMBOL: **H** CONFIGURATION DESCRIPTION: **1AGB (C1 F1 M111) - (C1 F1) UPPER WING**
1AGB (C1 F1 M111) - (C1 F1) LOWER WING

BETA
 .000
 .000

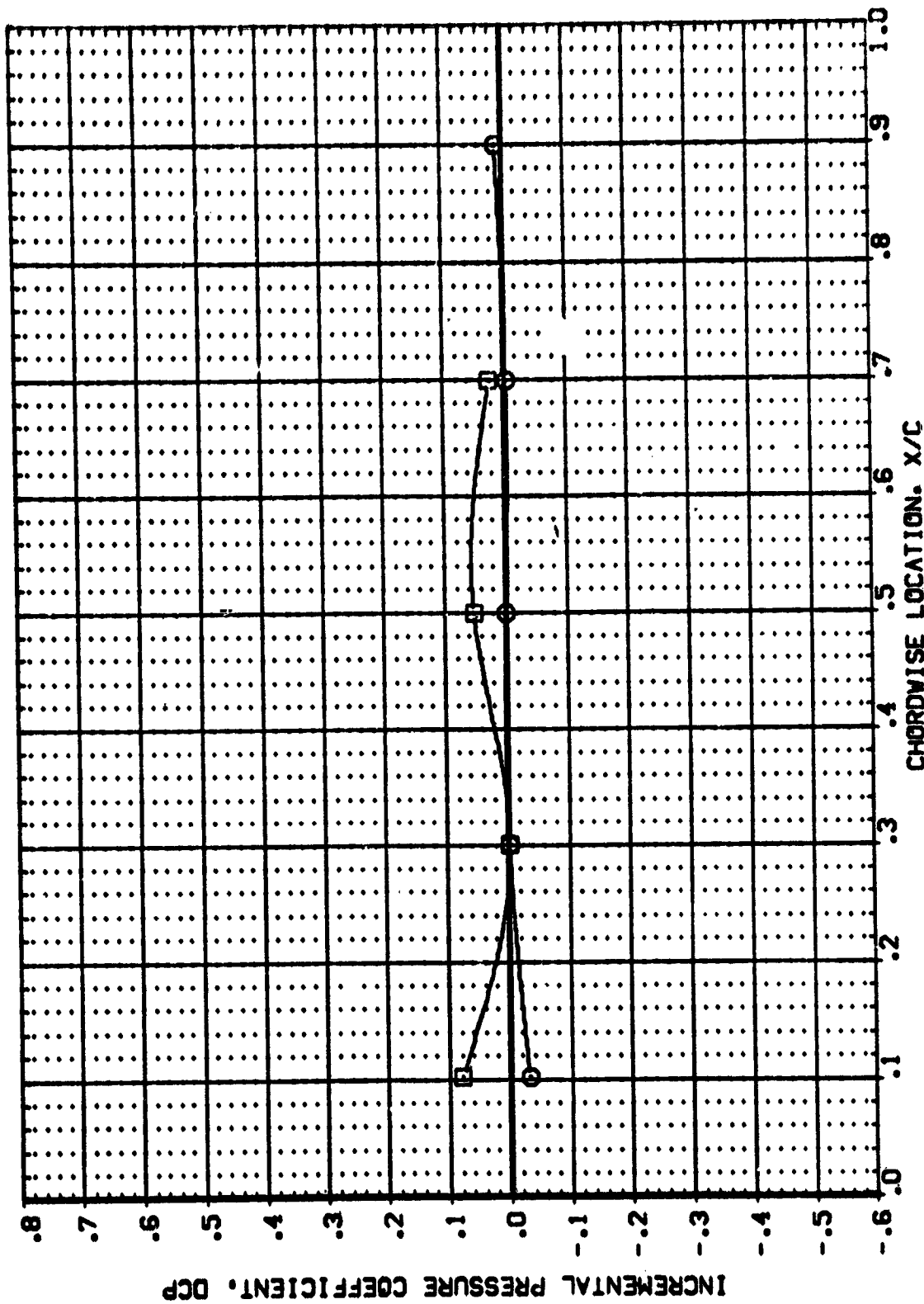


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -3.960 2Y/B = .500

DATA SET SYMBOL:  CONFIGURATION DESCRIPTION: $\{ \begin{matrix} \text{AF4LO4} \\ \text{AF4LO4} \end{matrix} \}$ $\{ \begin{matrix} \text{IASB} \\ \text{IASB} \end{matrix} \}$ $\{ \begin{matrix} \text{C1 F1 M1(1)} \\ \text{C1 F1 M1(1)} \end{matrix} \}$ $\{ \begin{matrix} \text{C1 F1} \\ \text{C1 F1} \end{matrix} \}$ UPPER WING LOWER WING

BETA

.000
.000

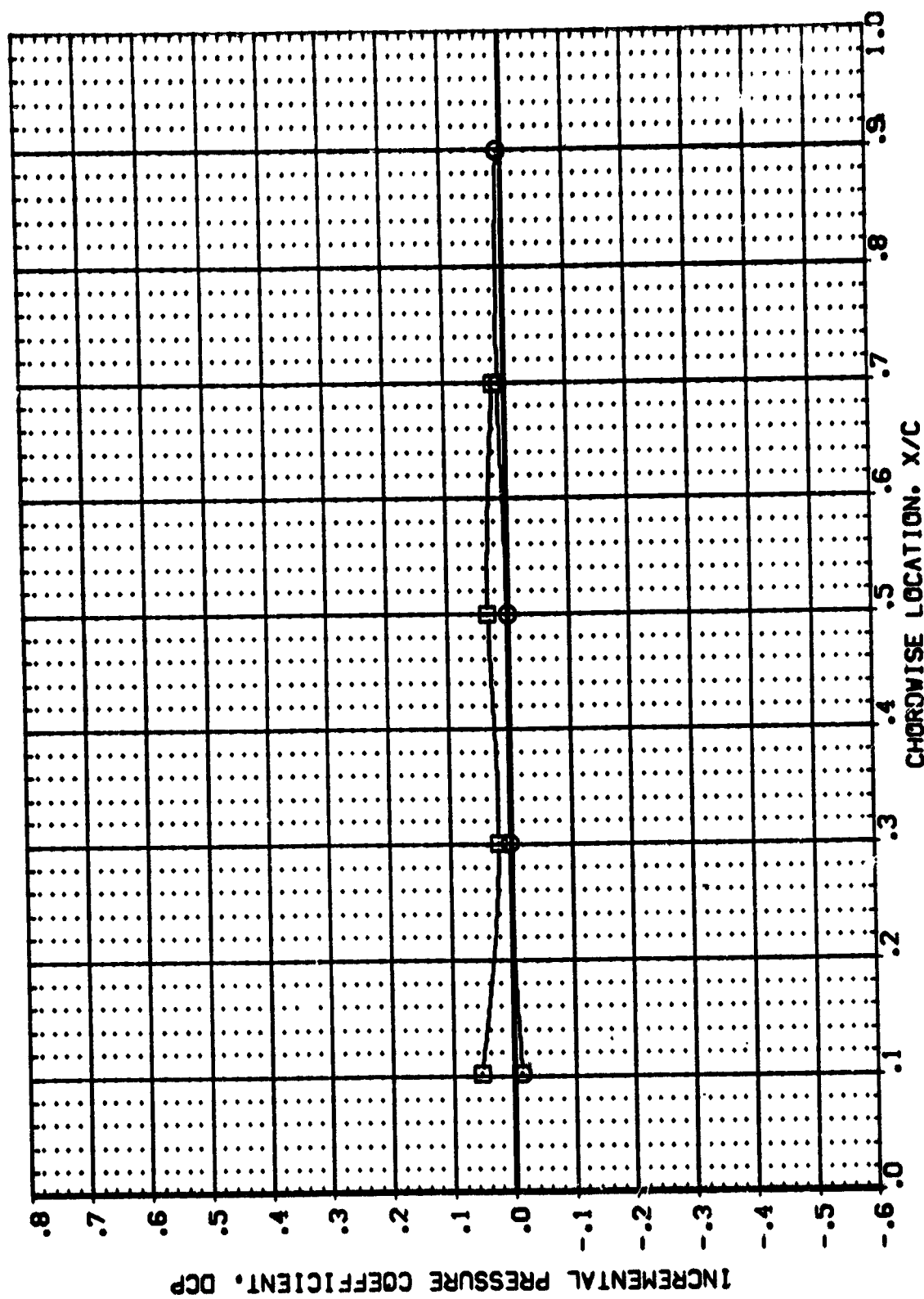


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -1.870 2Y/B = .500 PAGE 92



| DATA SET SYMBOL | CONFIGURATION | DESCRIPTION |
|-----------------|-------------------|----------------------|
| (AF4LOA) | IAGB (C1 F1 M(1)) | - (C1 F1) UPPER VING |
| (AF4LOA) | IAGB (C1 F1 M(1)) | - (C1 F1) LOWER VING |

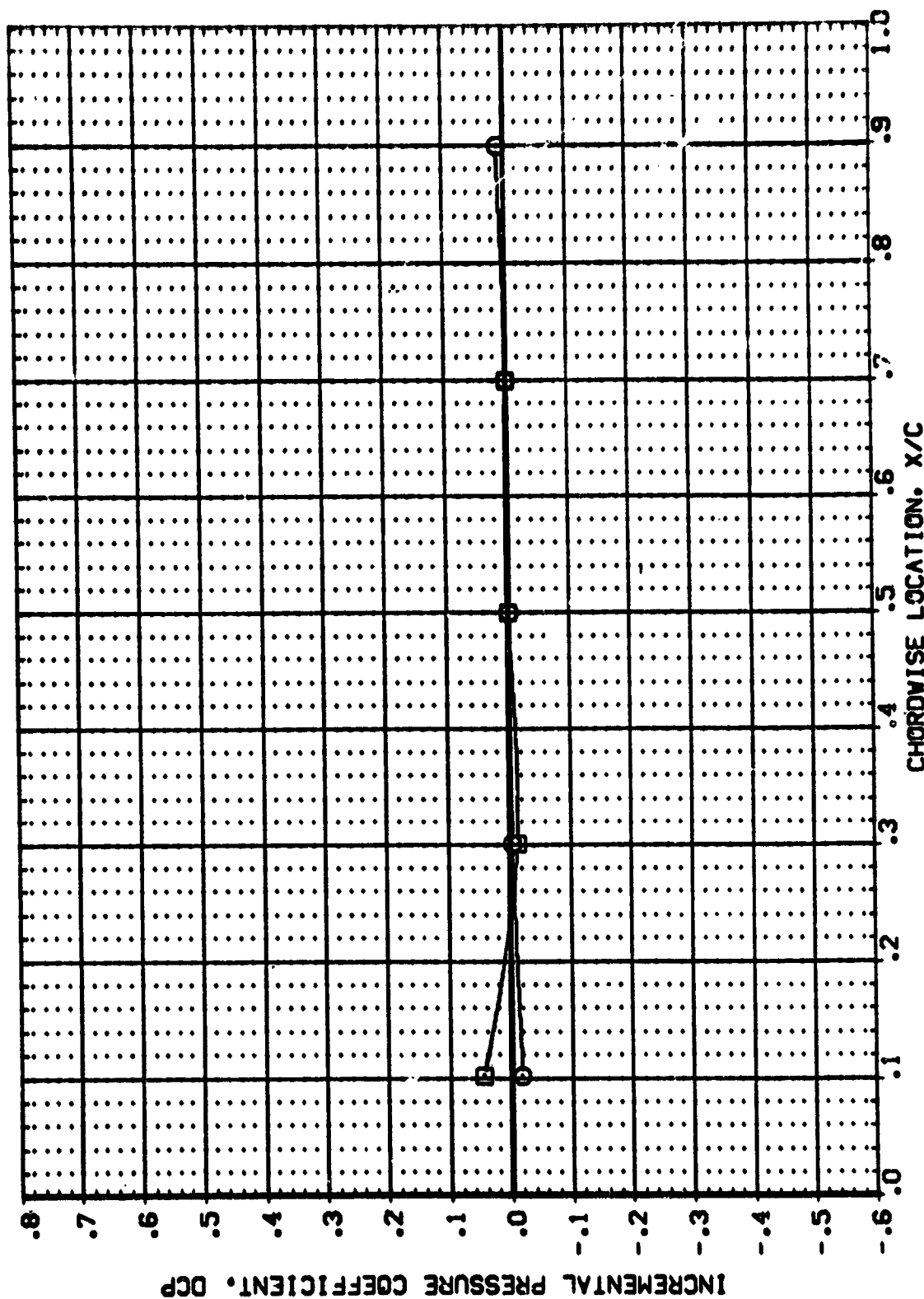


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = .070 2Y/B = .500

BETA
.000
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(AF4LO4) IAGB { C1 F1 M1(1) } - { C1 F1 } UPPER WING
(AF4LO4) IAGB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

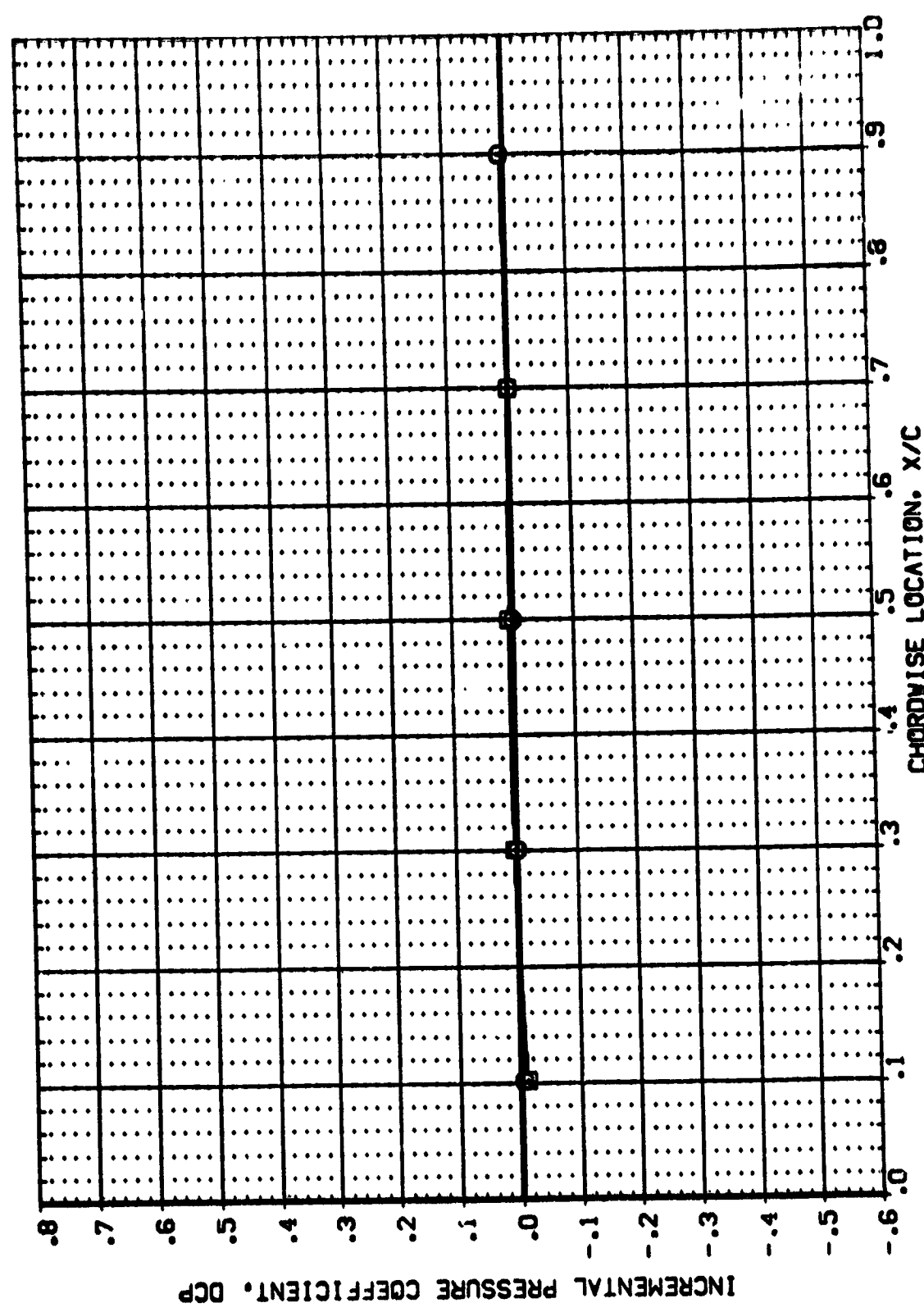


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 1.990 2Y/B = .500



DATA SET SYMBOL: [AF4LD4] [AF4LD4]
 CONFIGURATION DESCRIPTION: IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING
 IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING
 BETA: .000

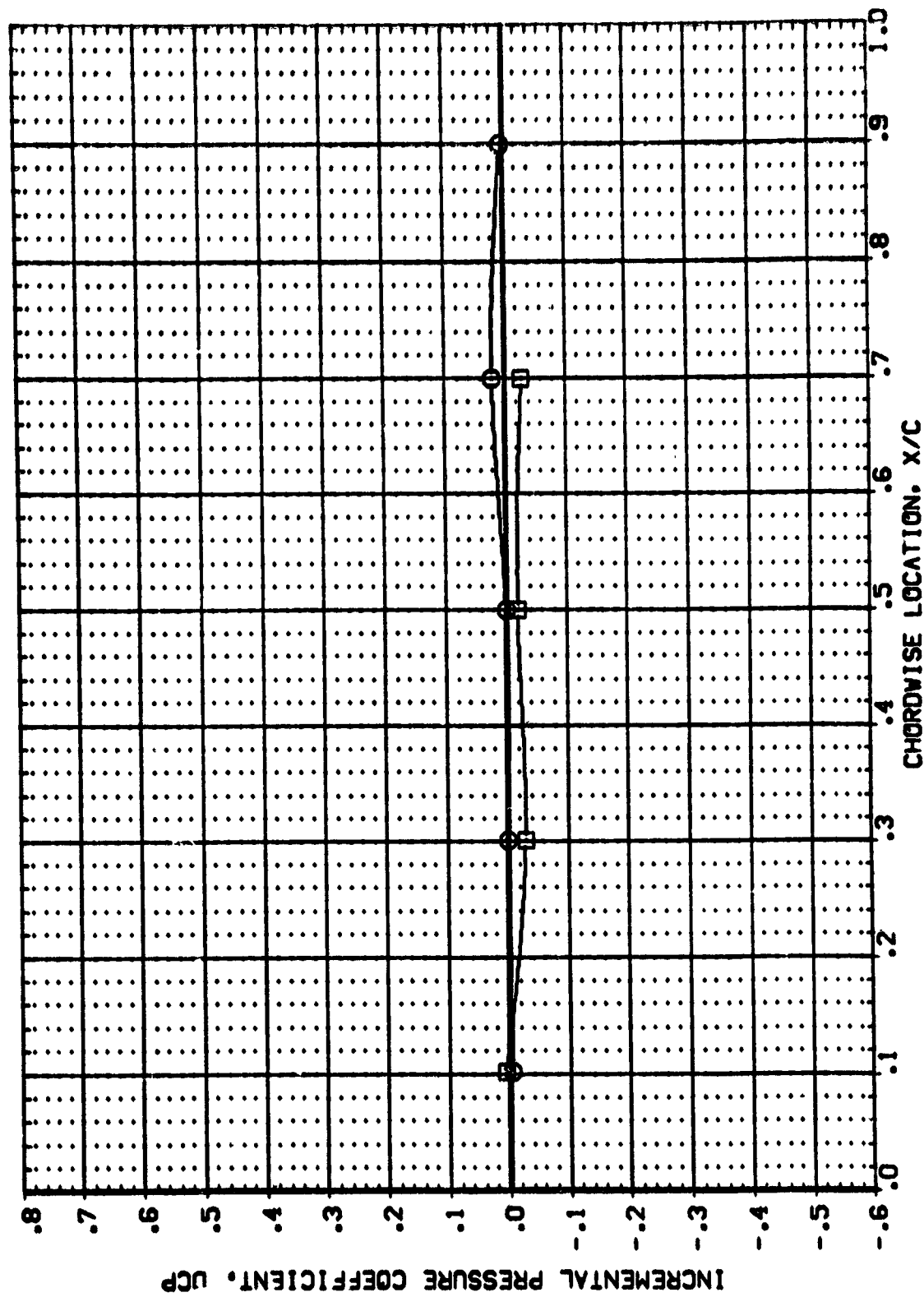


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 3.930 2Y/B = .500 PAGE 95

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION BETA
 {AF4LO4} 1AGB {C1 F1 M1{}} - {C1 F1} UPPER WING .000
 {AF4LO4} 1AGB {C1 F1 M1{}} - {C1 F1} LOWER WING .000

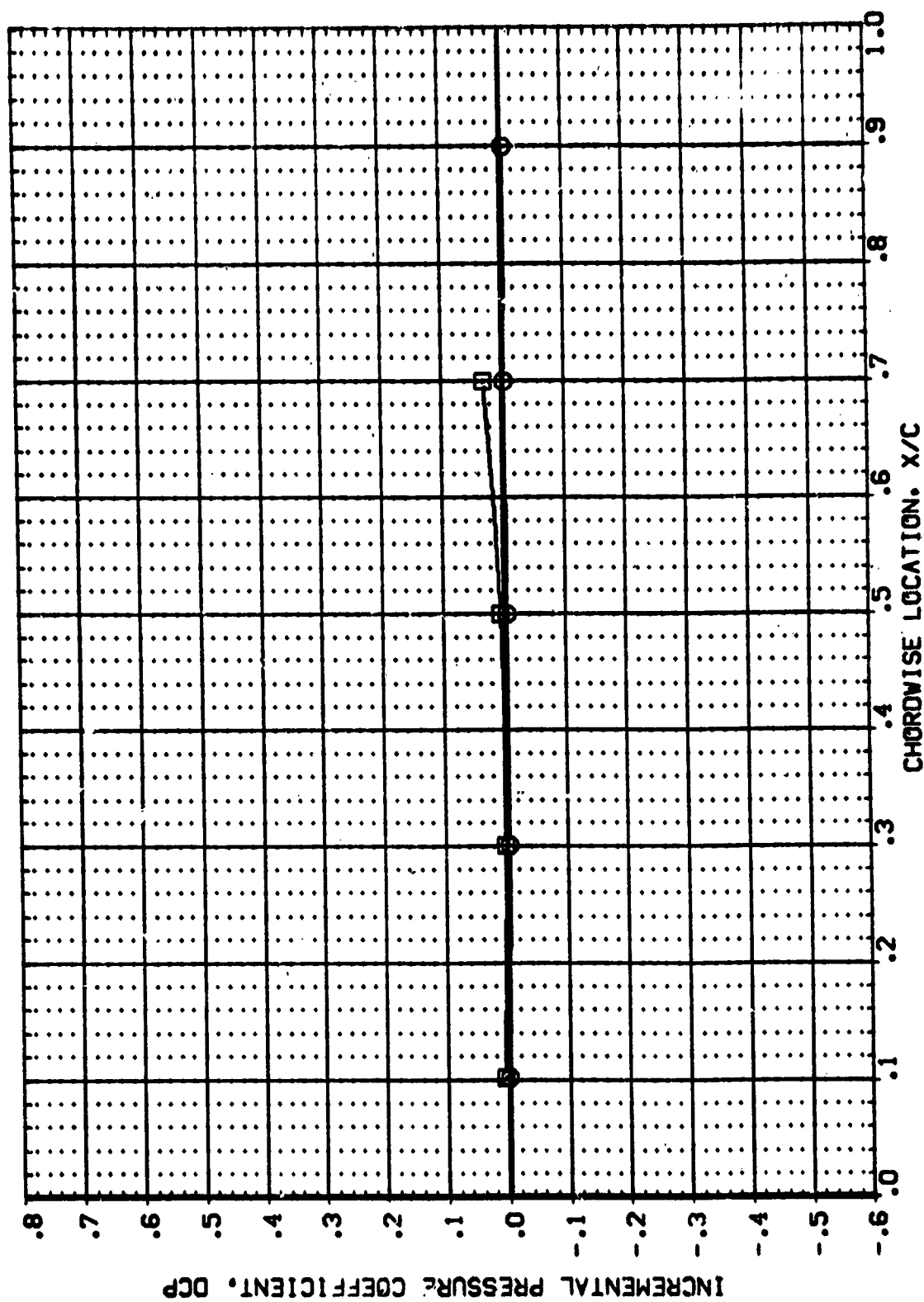


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -3.910 2Y/B = .500



DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1A58 { C1 F1 M1(1) } - { C1 F1 } UPPER WING**
1A59 { C1 F1 M1(1) } - { C1 F1 } LOWER WING BETA: **.000**
.000

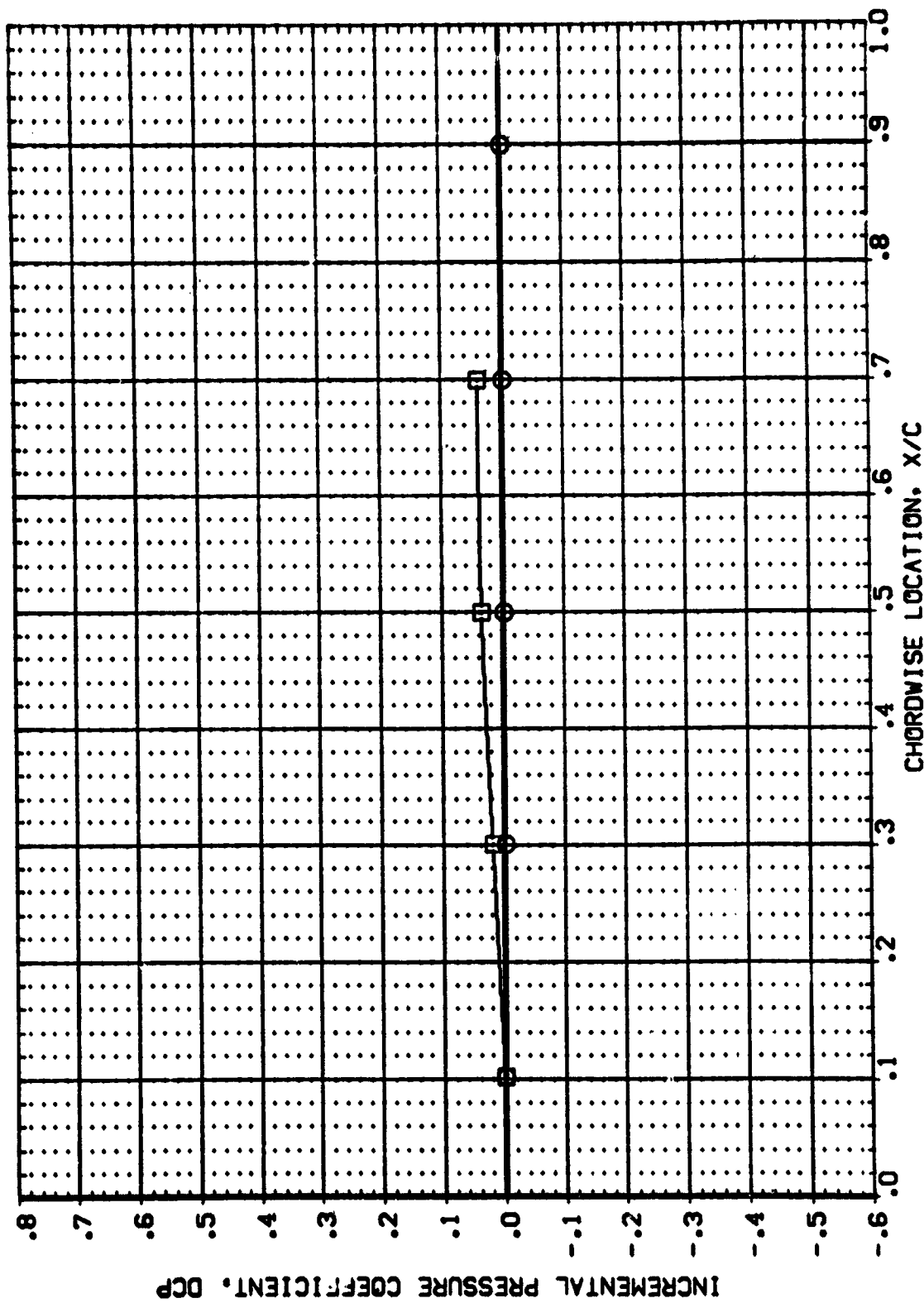


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -2.000 2Y/B = .500

BETA
.000
.000

DATA SET SYMB. CONFIGURATION DESCRIPTION
(AF4LO4) IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING
(AF4LO4) IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING

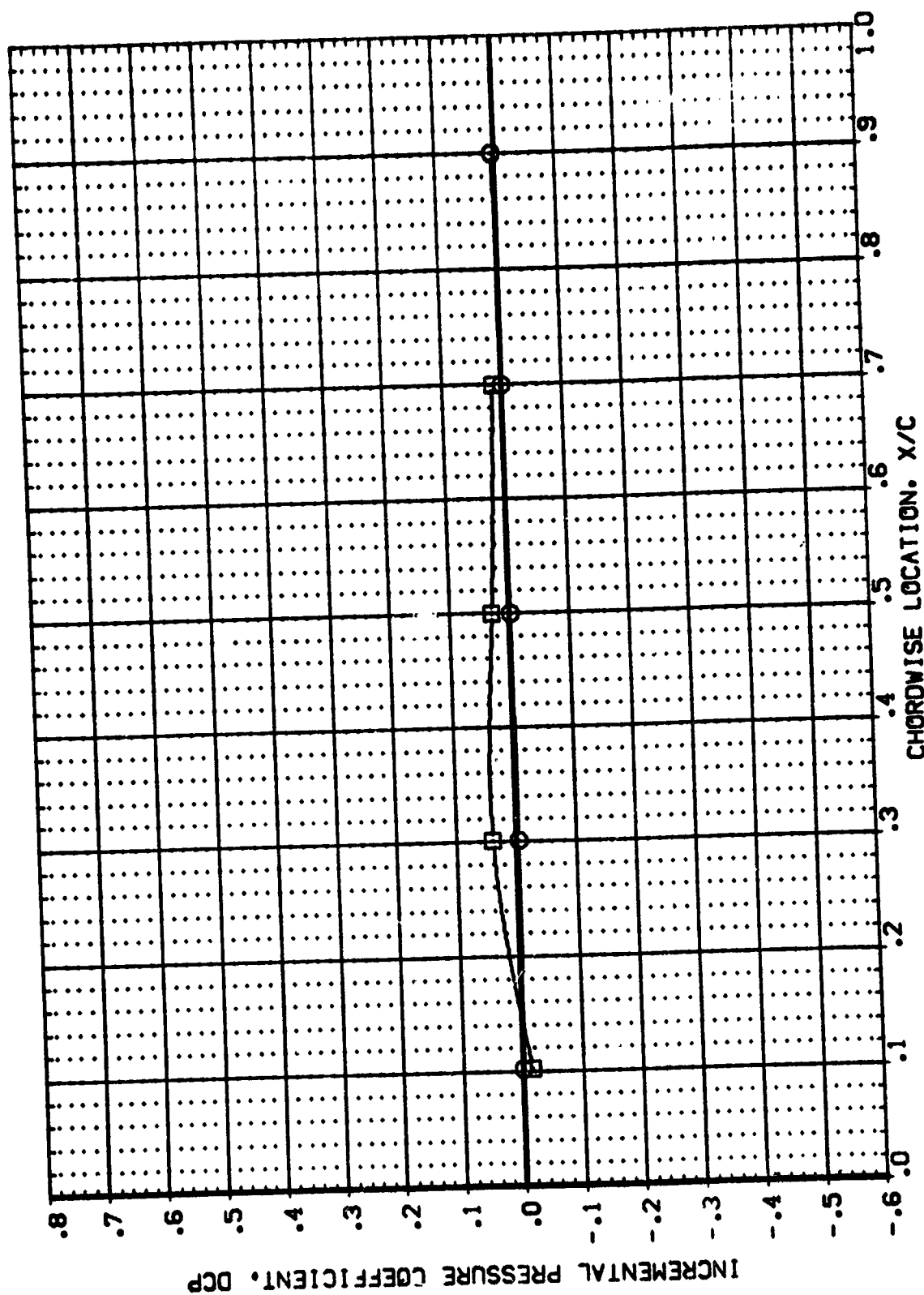


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -0.020 2Y/B = .500

DATA SET SYMBOL: 8
 [AF4LO4] [ASB { C1 F1 M111 } - { C1 F1 } UPPER WING
 [AF4LO4] [ASB { C1 F1 M111 } - { C1 F1 } LOWER WING
 BETA .000
 .000

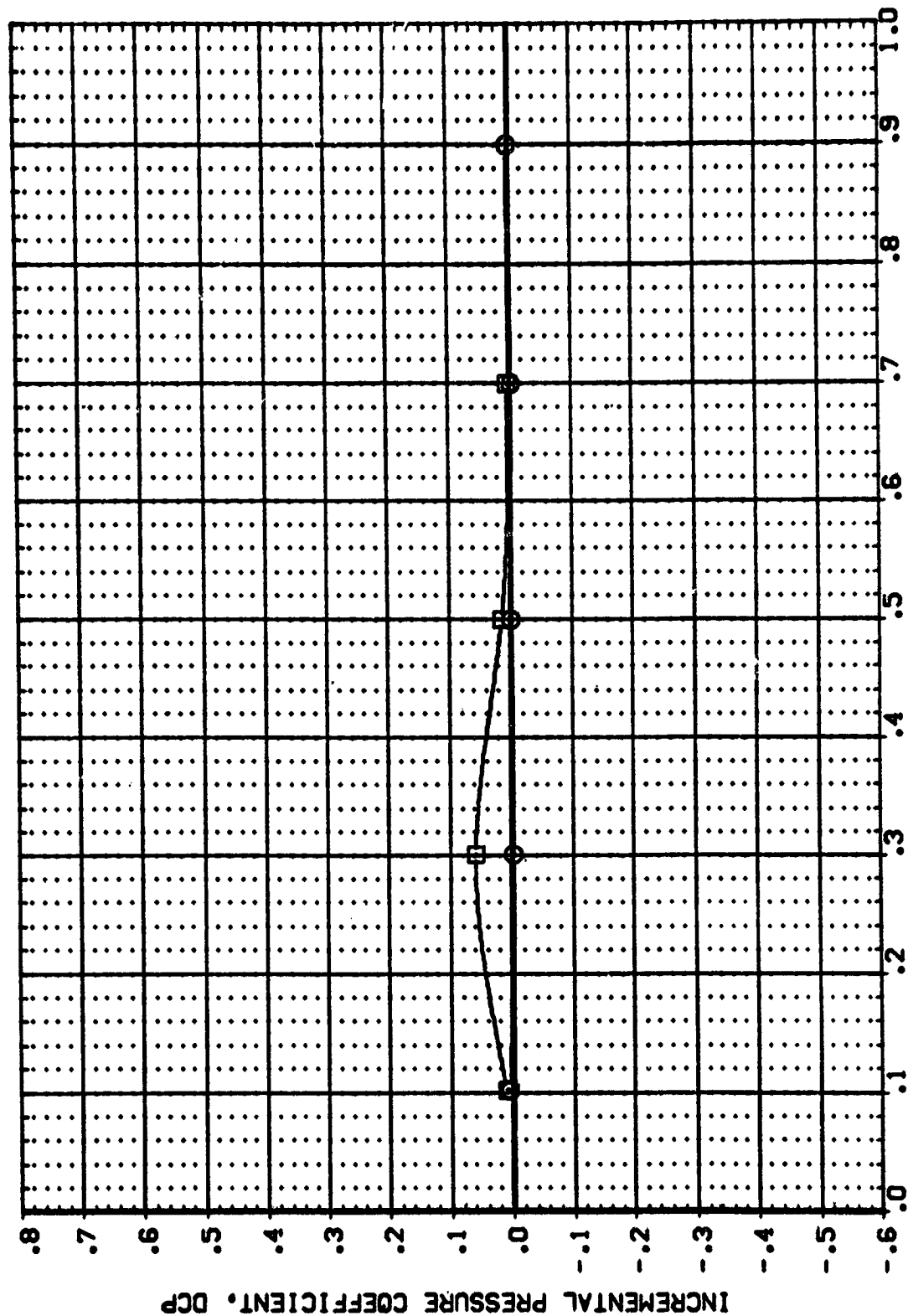


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 1.910 2Y/B = .500

DATA SET SYMBOL: ☐ IASB (C1 F1 M1(1)) - (C1 F1) UPPER WING
 (AF4LO4)
☐ IASB (C1 F1 M1(1)) - (C1 F1) LOWER WING
 (AF4LO4)

BETA
 .000
 .000

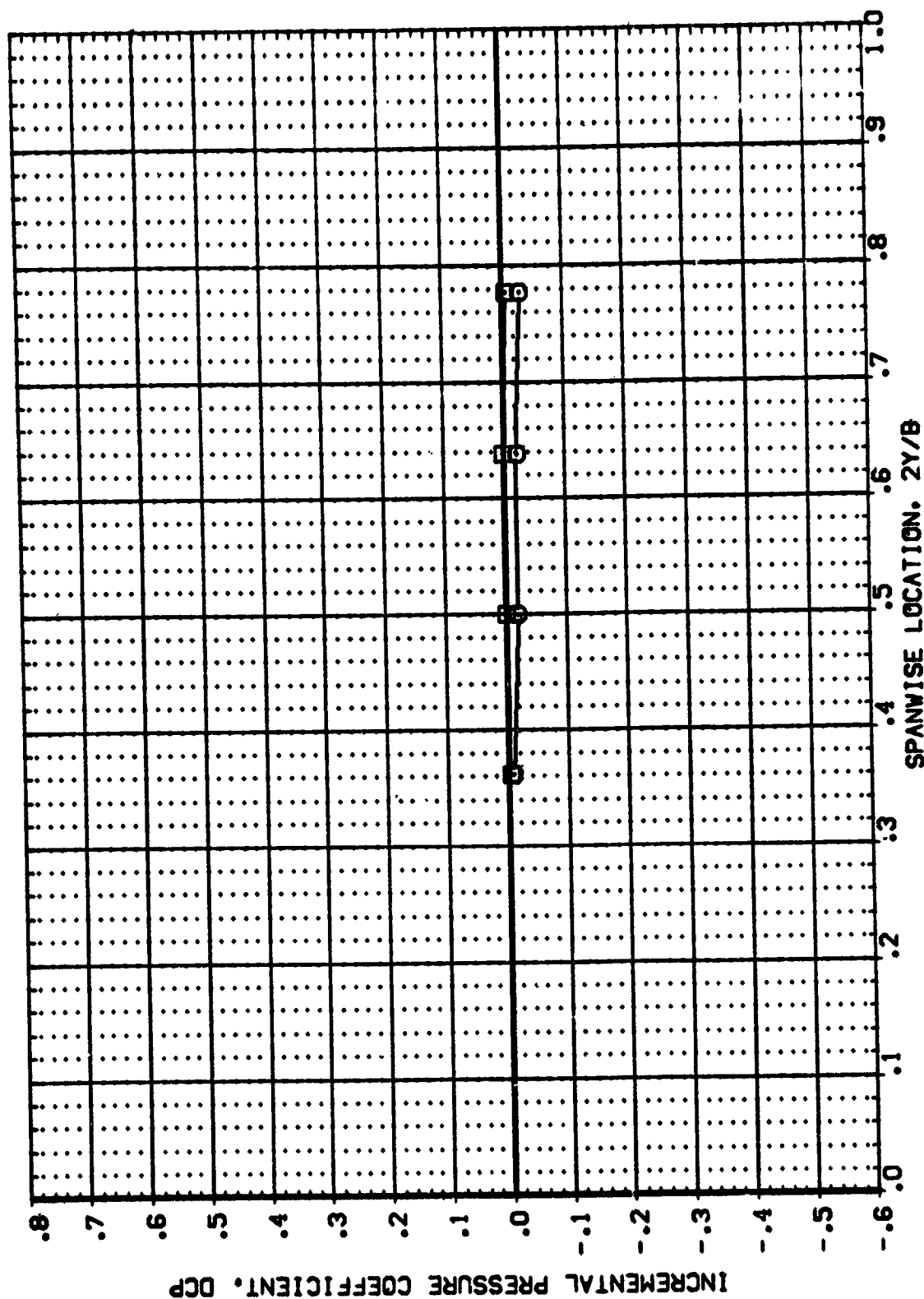


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

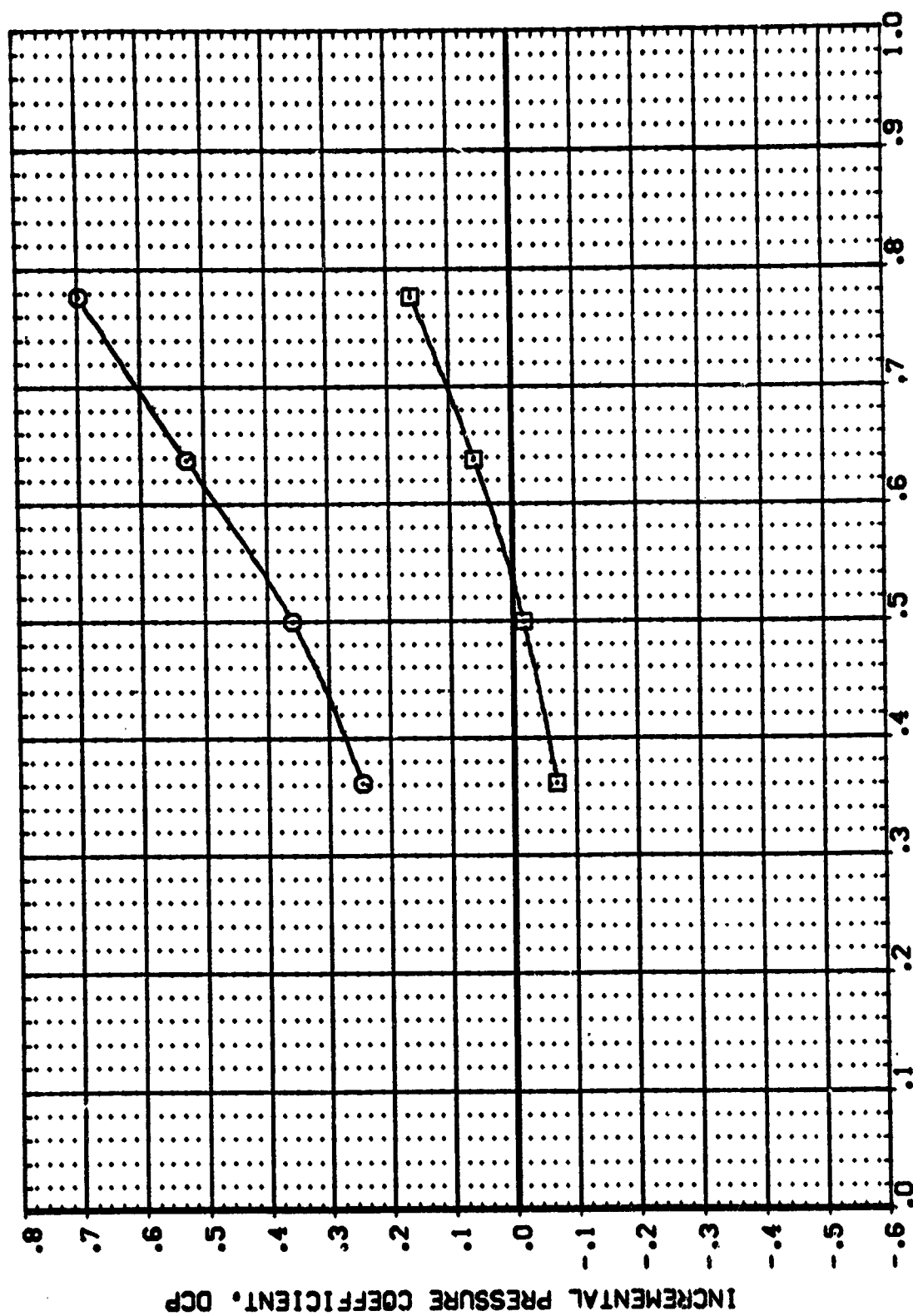
MACH = .896 ALPHA = -3.870 X/C = .500 PAGE 100



DATA SET SYMB. CONFIGURATION DESCRIPTION

BETA .000 .000

[AF4L04] IASB { C1 F1 MI(1) } - { C1 F1 } UPPER VING
[AF4L04] IASB { C1 F1 MI(1) } - { C1 F1 } LOWER VING



SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -2.000 X/C = .500

DATA SET SYMBOL: [AF4U04] [AF4L04]
 CONFIGURATION DESCRIPTION: IAB8 { C1 F1 M1(1) } - { C1 F1 } UPPER VING
 IAB8 { C1 F1 M1(1) } - { C1 F1 } LOWER VING
 BETA: .000
 .000

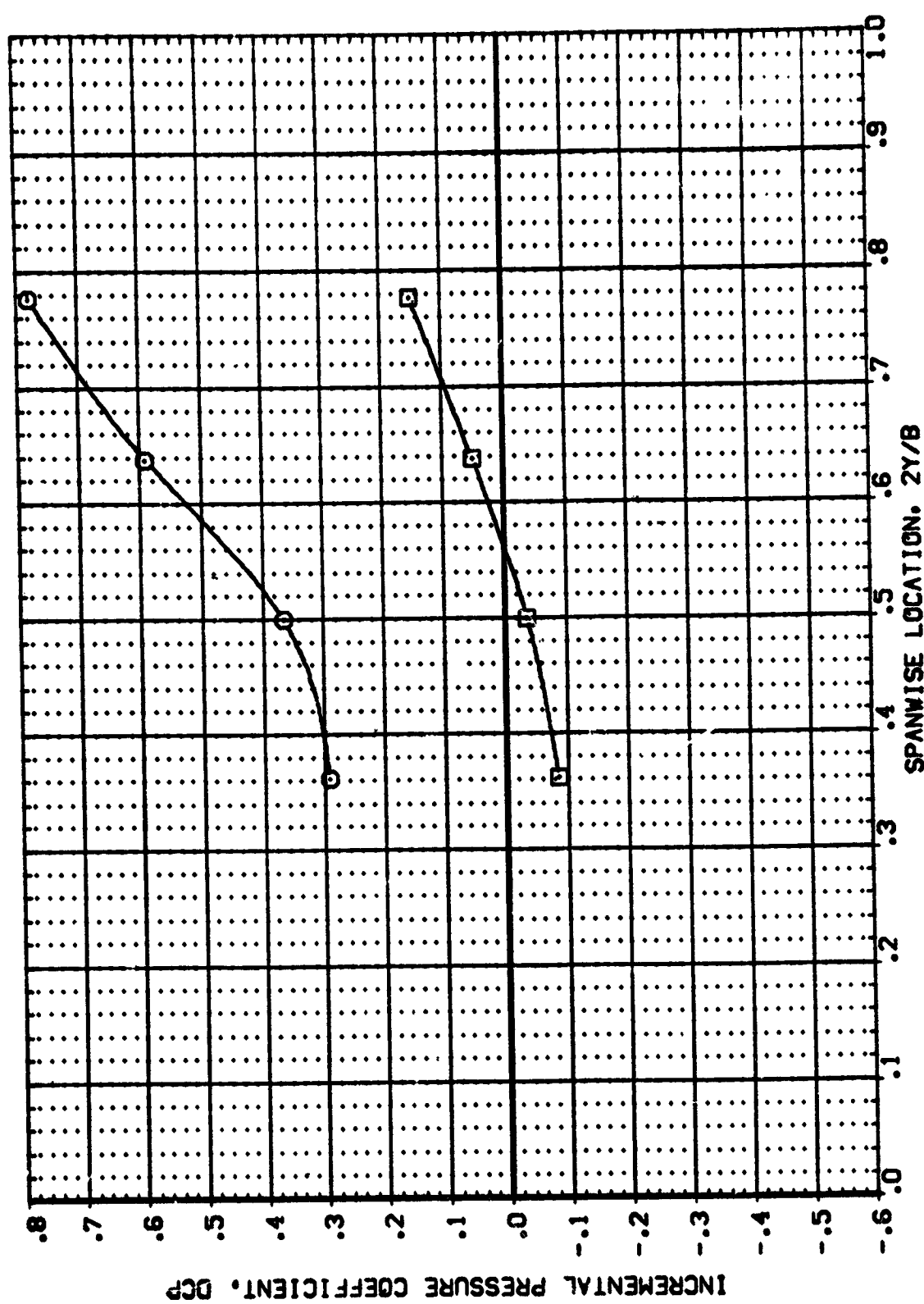


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = .000 X/C = .500 PAGE 102



DATA SET SYMBOL: {AF4LO4} {AF4LO4}
 CONFIGURATION DESCRIPTION: 1A58 { C1 F1 M1(1) } - { C1 F1 } UPPER WING
 1A58 { C1 F1 M1(1) } - { C1 F1 } LOWER WING
 BETA: .000
 .000

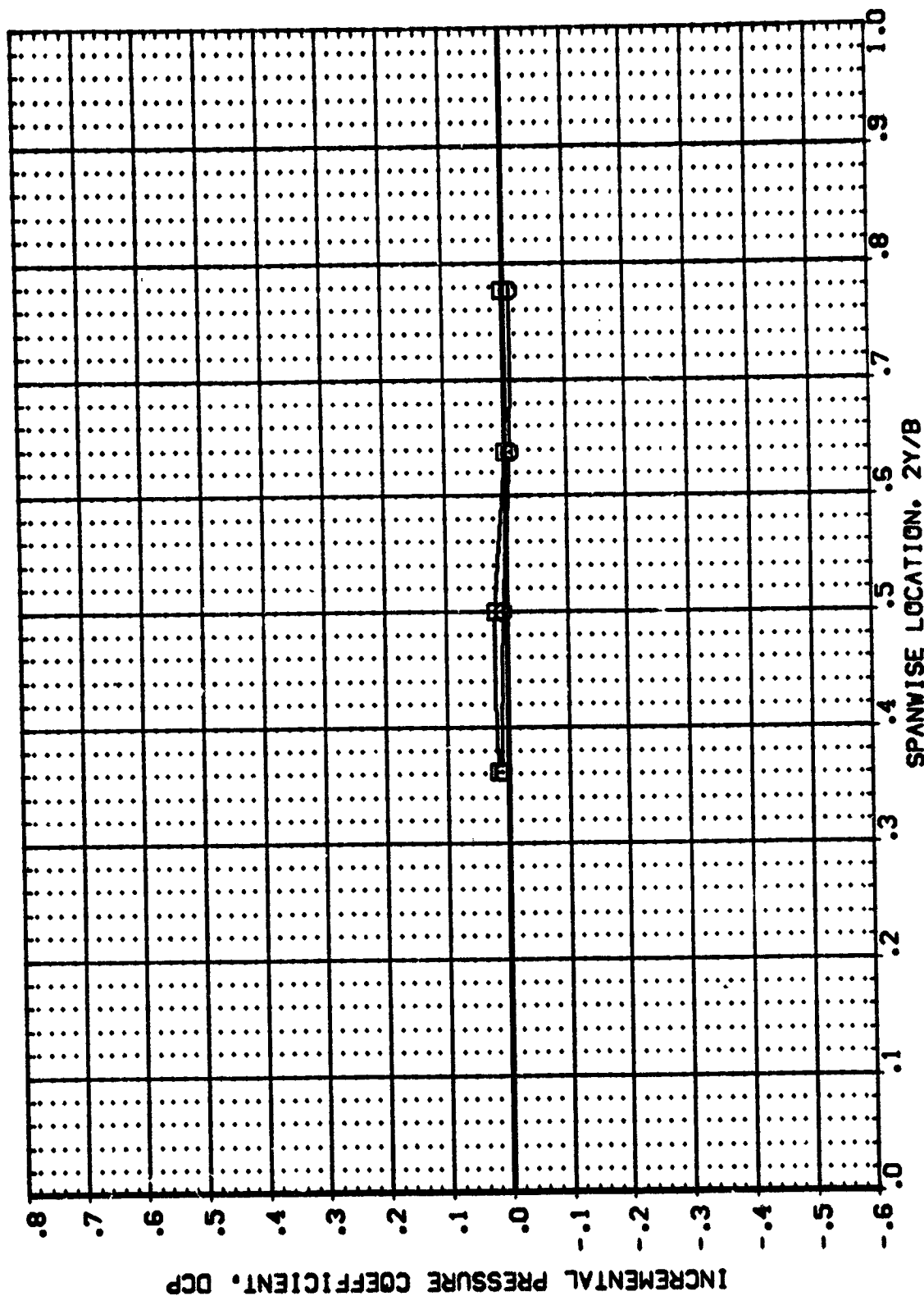


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = -3.910 X/C = .500

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 { AF4LO4 } 9 1A68 { C1 F1 M1(1) } - { C1 F1 } UPPER WING
 { AF4LO4 } 1A68 { C1 F1 M1(1) } - { C1 F1 } LOWER WING

BETA
 .000
 .000

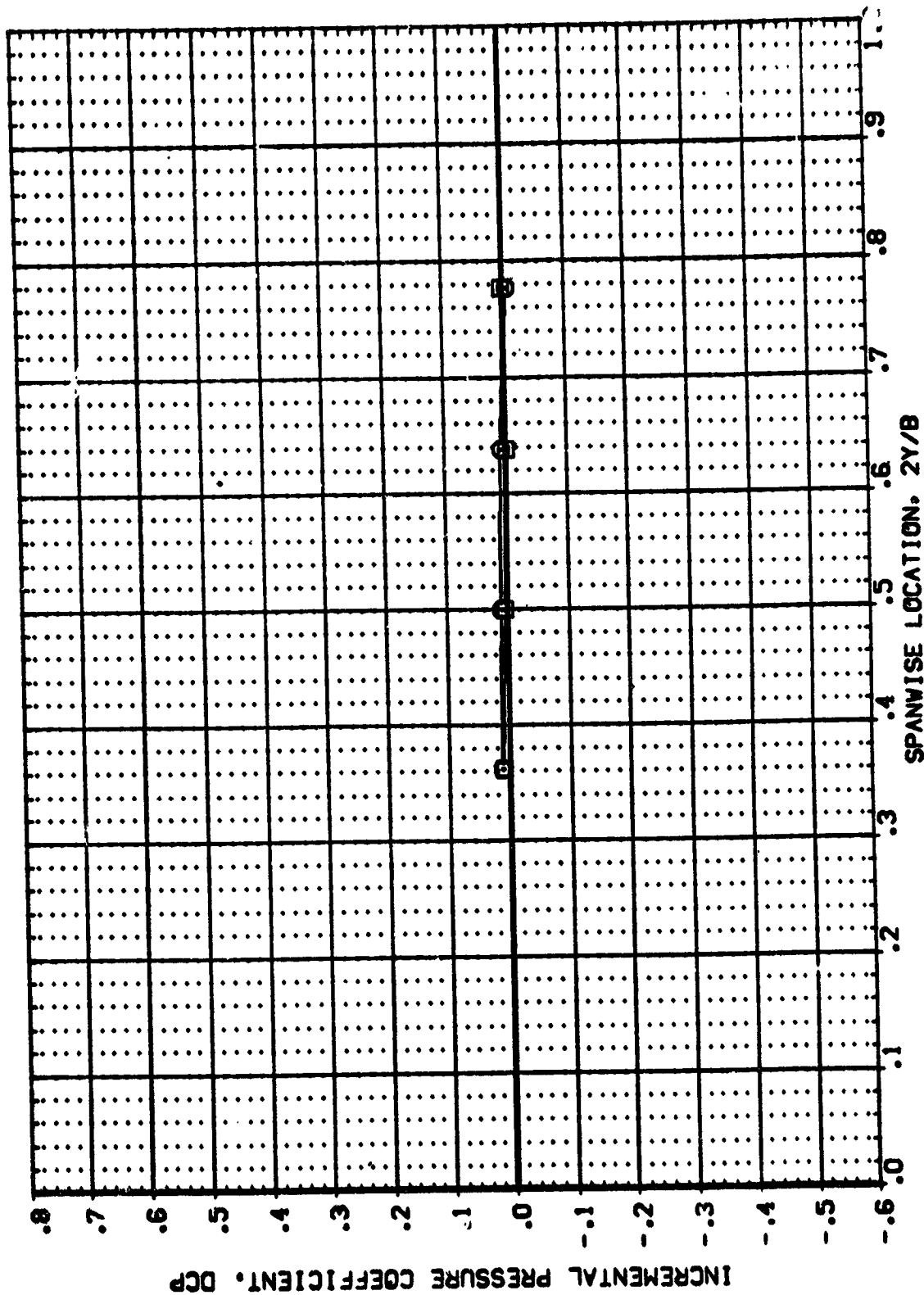


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = -1.930 X/C = .500

DATA SET SYMB. CONFIGURATION DESCRIPTION BETA
 {AF4LOA} {AF4LOA} {C1 F1 M111} - {C1 F1} UPPER WING
 {AF4LOA} {AF4LOA} {C1 F1 M111} - {C1 F1} LOWER WING

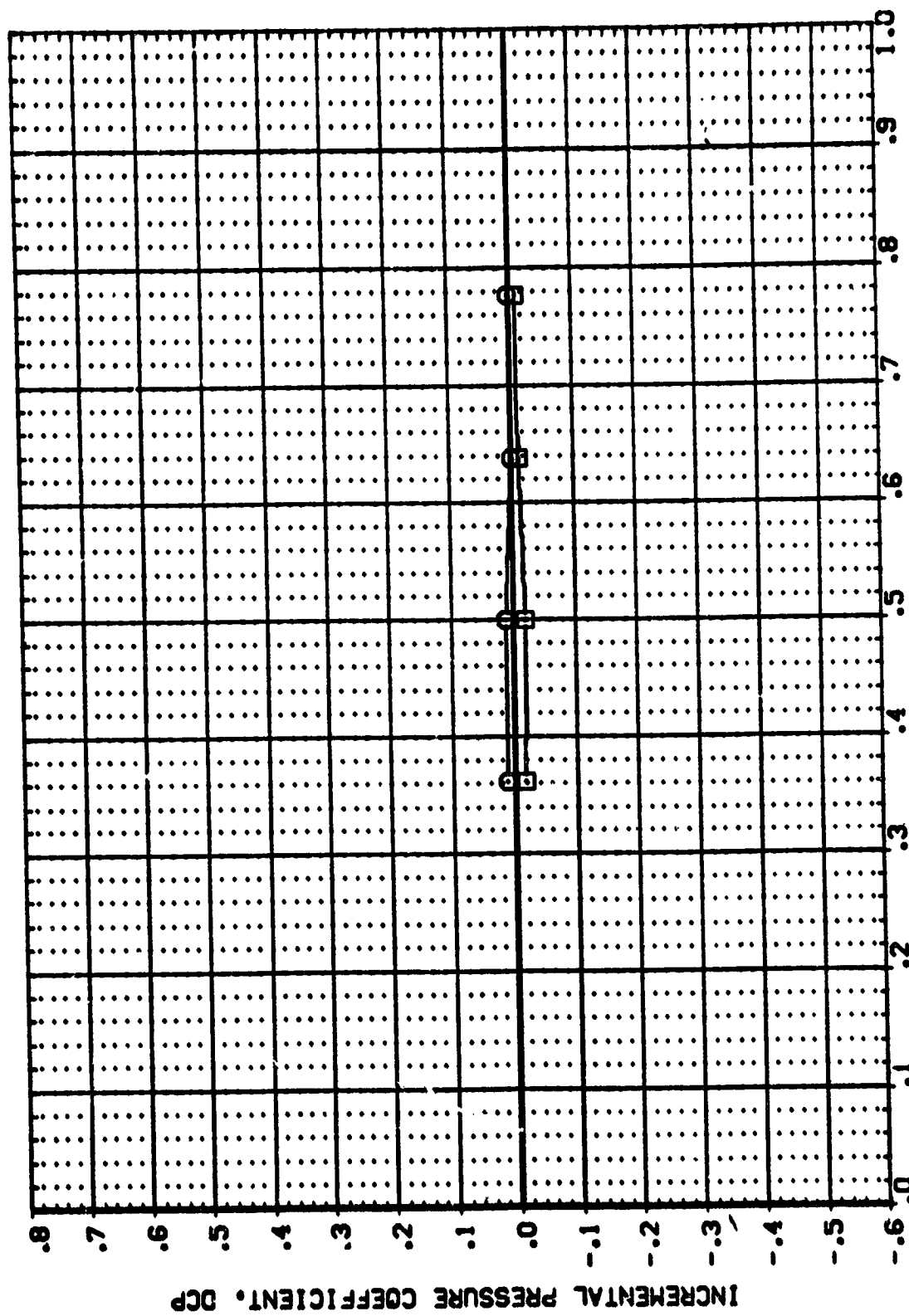


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = .000 X/C = .500 PAGE 105

DATA SET SYMBL. CONFIGURATION DESCRIPTION
 (AF4LO1) ☐ IAGB (C1 F1 MI11) - (C1 F1) UPPER VING
 (AF4LO1) ☐ IAGB (C1 F1 MI11) - (C1 F1) LOWER VING

BETA
 .000
 .000

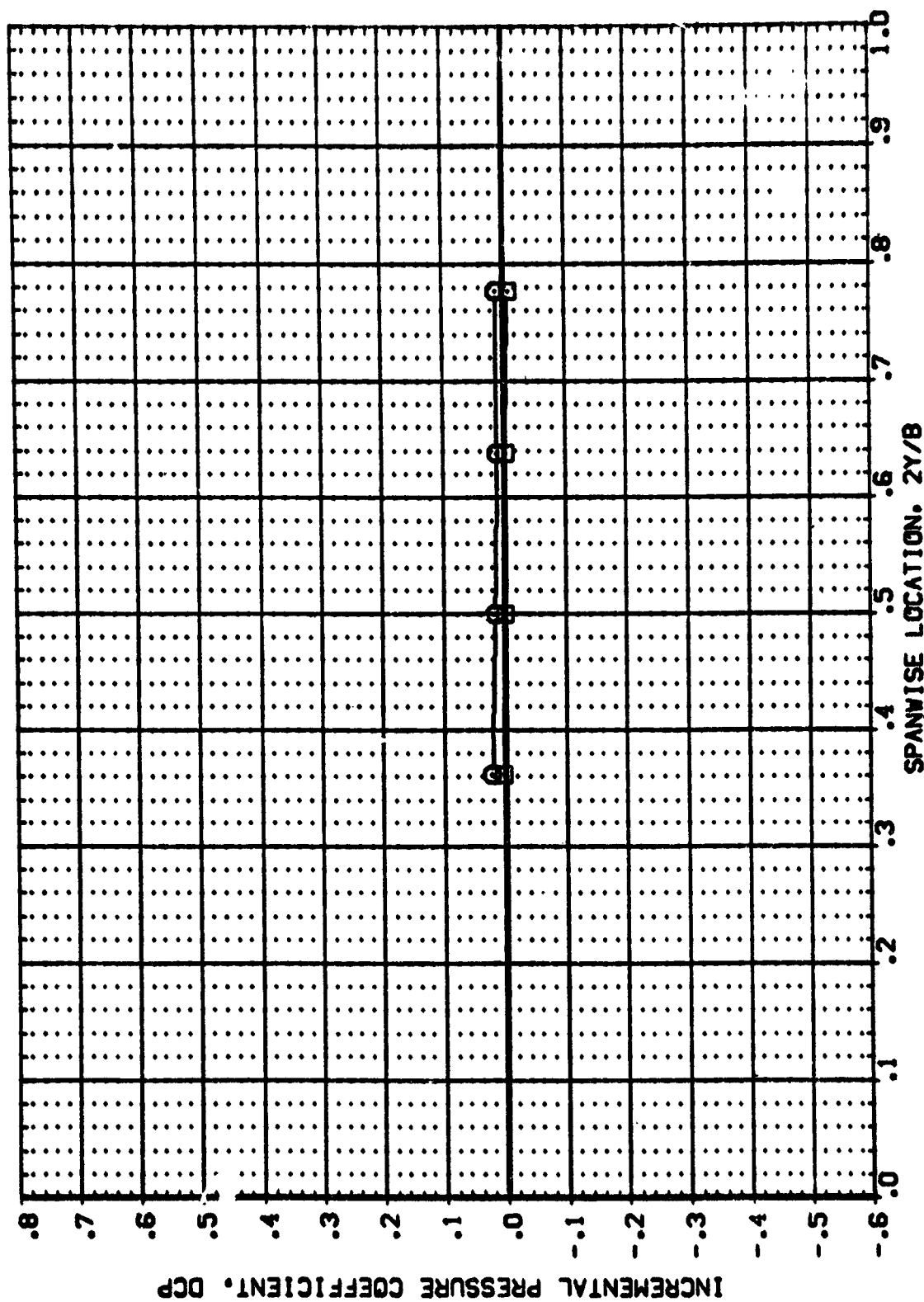


FIG 10 STRUT DIFFERENTIAL VING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = 1.850 X/C = .500



DATA SET SYMB. CONFIGURATION DESCRIPTION BETA
 {AFAL04} IASB {C1 F1 MI11} - {C1 F1} UPPER VING .000
 {AFAL04} IASB {C1 F1 MI11} - {C1 F1} LOWER VING .000

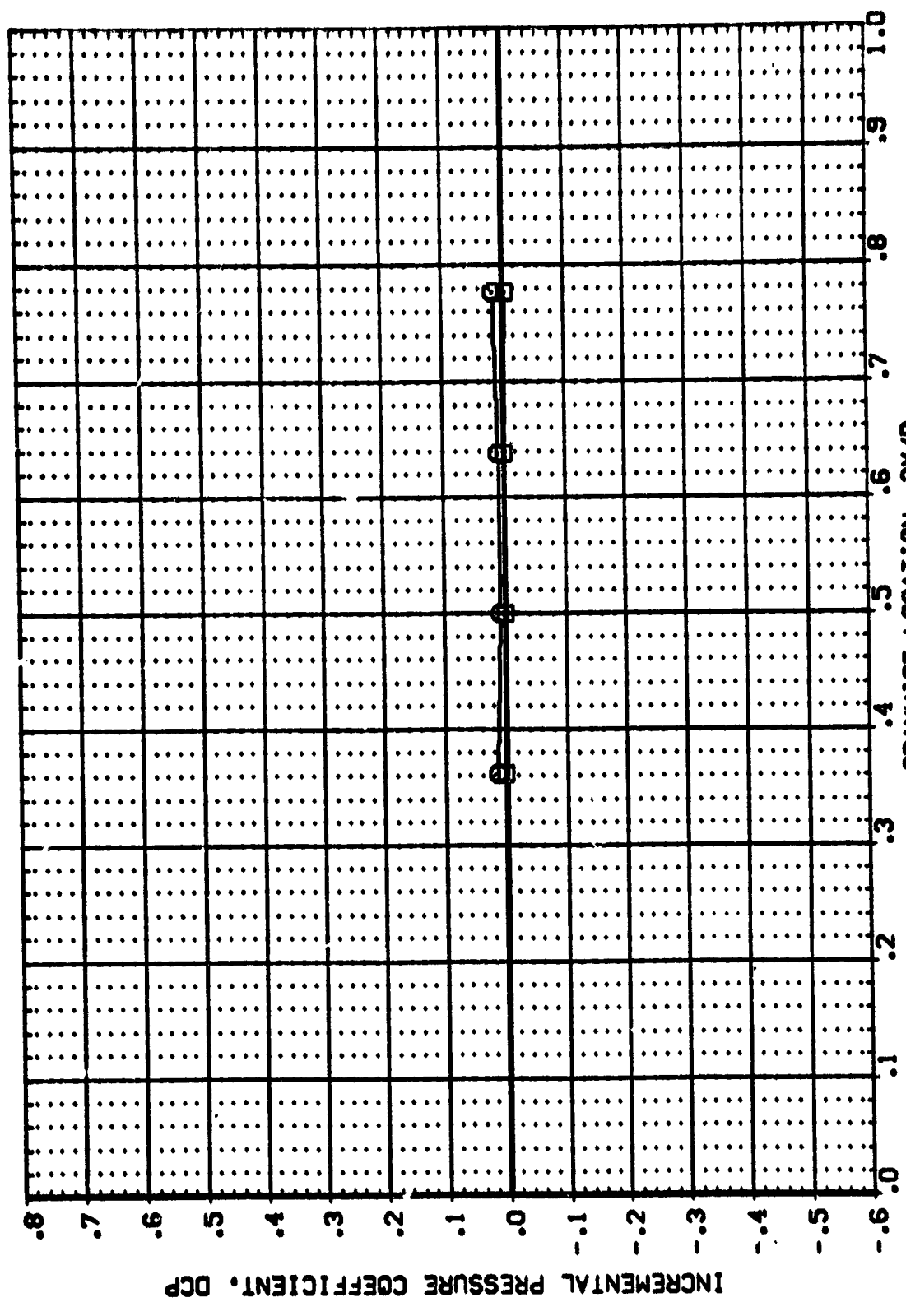


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.211 ALPHA = 3.900 X/C = .500

DATA SET SYMBOL: ☐ (AF4LO4) ☐ (AF4LO4) CONFIGURATION DESCRIPTION: IAGB { C1 F1 M1(1) } - { C1 F1 } UPPER WING IAGB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

BETA .000 .000

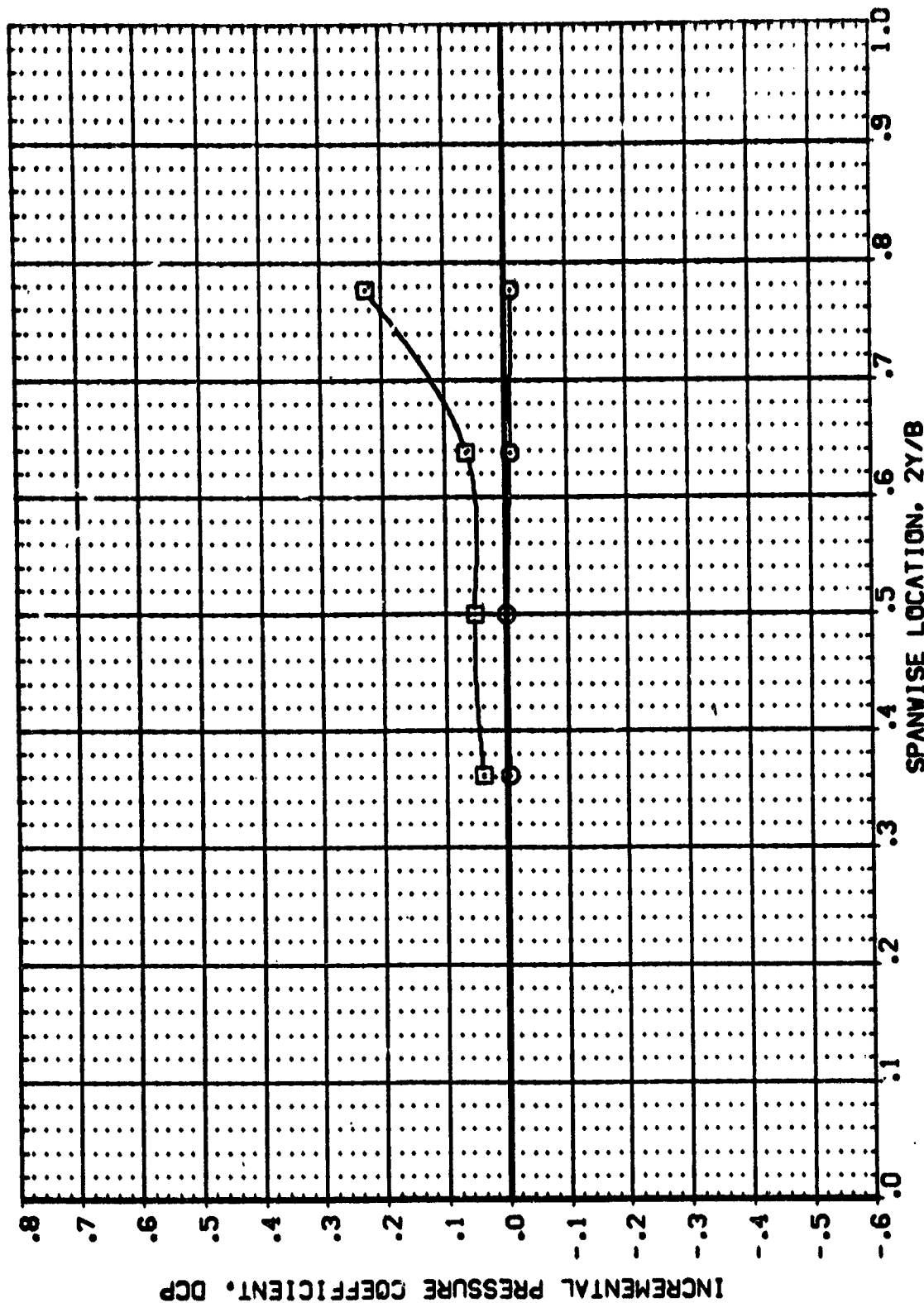


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -3.960 X/C = .500

DATA SET SYMBOL: [AF4LO4] [AF4LO4] CONFIGURATION DESCRIPTION: IAGB (C1 F1 M111) - (C1 F1) UPPER WING IAGB (C1 F1 M111) - (C1 F1) LOWER WING BETA: .000 .000

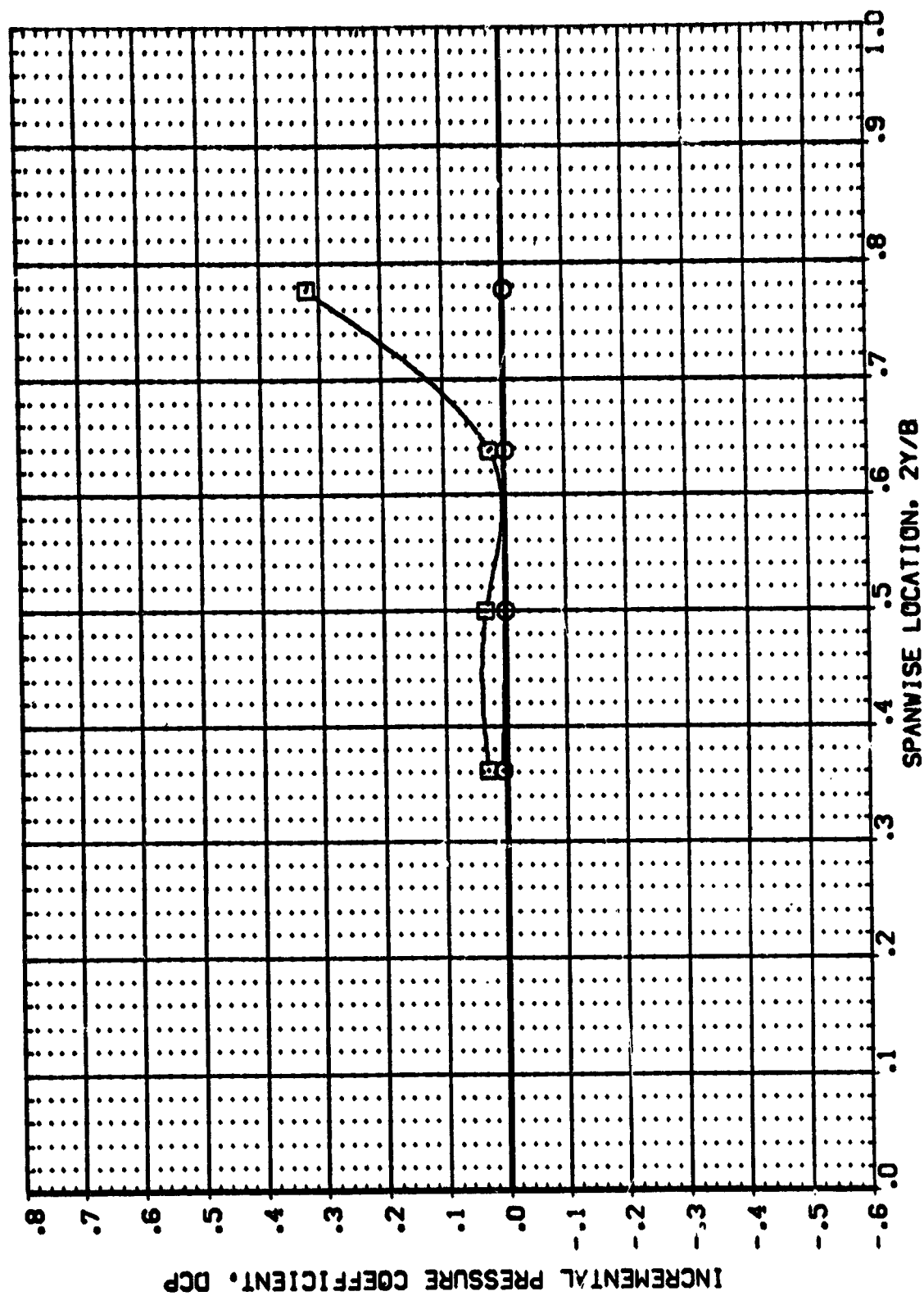


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -1.870 X/C = .500

BETA **000.000**



FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

| | | | | | | | |
|--------|-------|---------|------|-------|------|------|-----|
| MACH = | 1.503 | ALPHA = | .070 | X/C = | .500 | PAGE | 110 |
|--------|-------|---------|------|-------|------|------|-----|



DATA SET SYMBOL: ☐ IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING
 { AF4LOH } IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING

BETA

.000
 .000

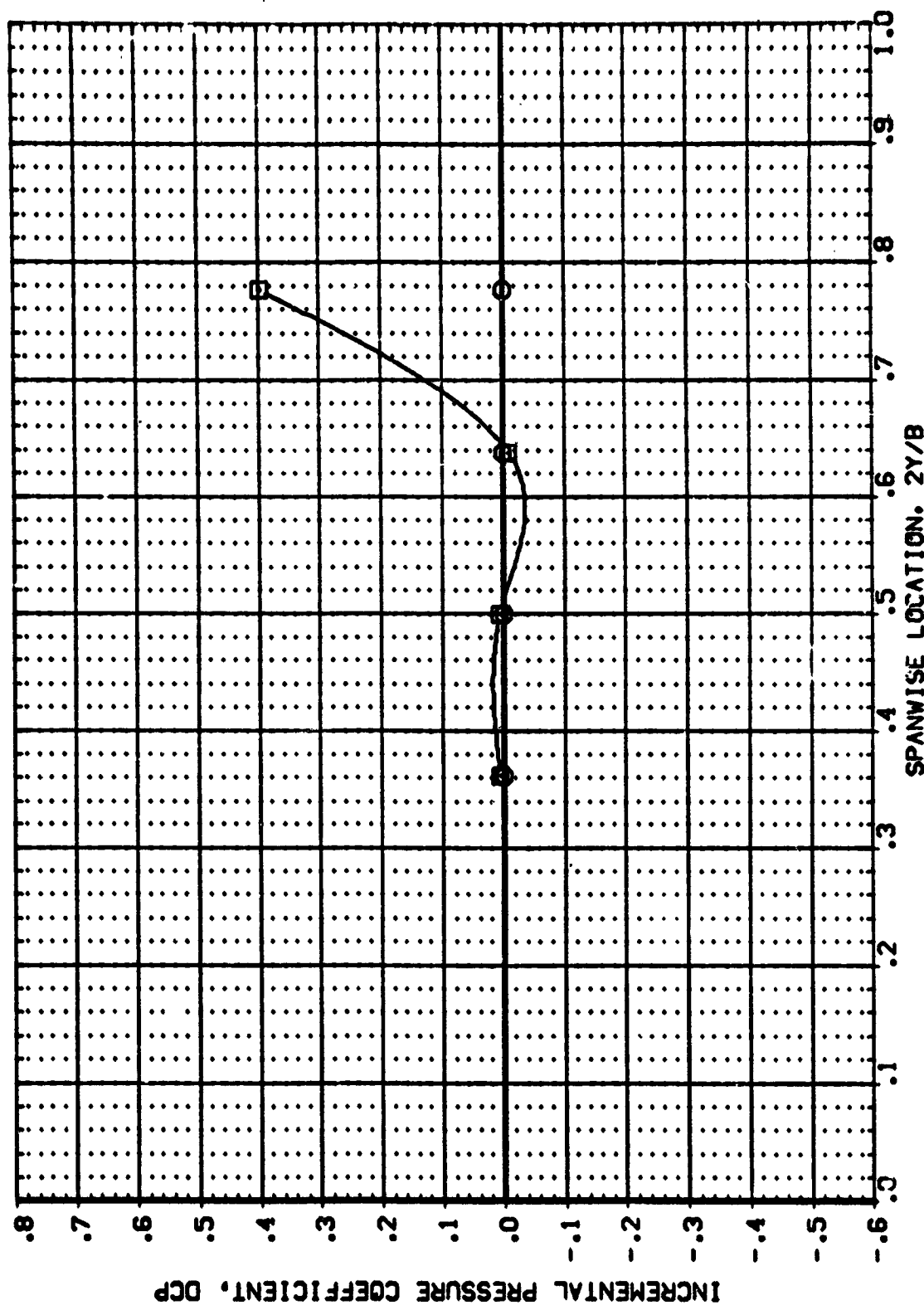


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 1.990 X/C = .500

BETA **000.000**



PAGE 112

MACH = 1.503 ALPHA = 3.930 X/C = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA
 {AF4LO4} IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING .000
 {AF4LO4} IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING .000

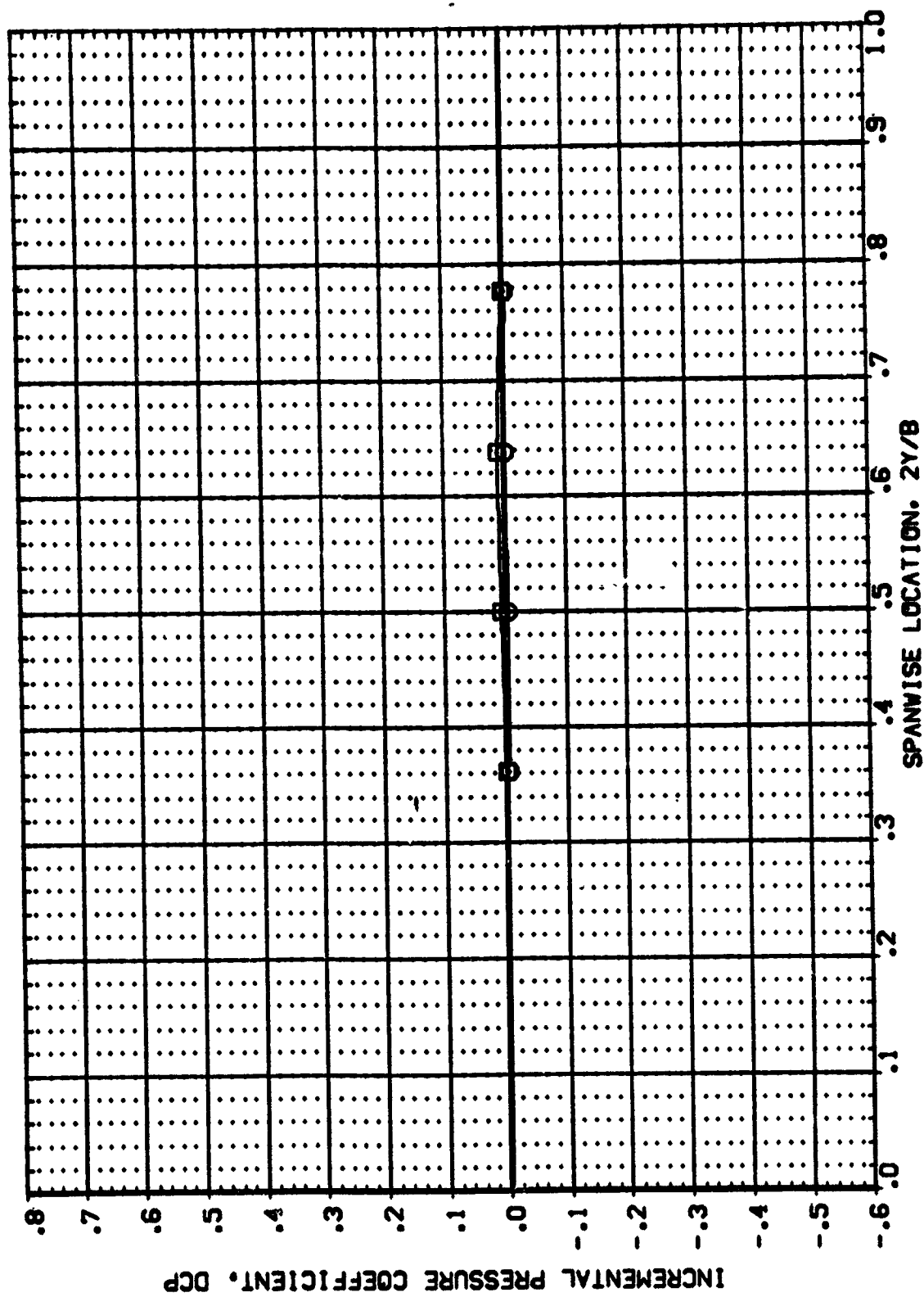


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -3.910 X/C = .500

DATA SET SYMBOL: **AF4LO4** ☐ **AF4LO4** CONFIGURATION DESCRIPTION: **1A68 { C1 F1 M111 } - { C1 F1 } UPPER WING**
1A68 { C1 F1 M111 } - { C1 F1 } LOWER WING

BETA
 .000
 .000

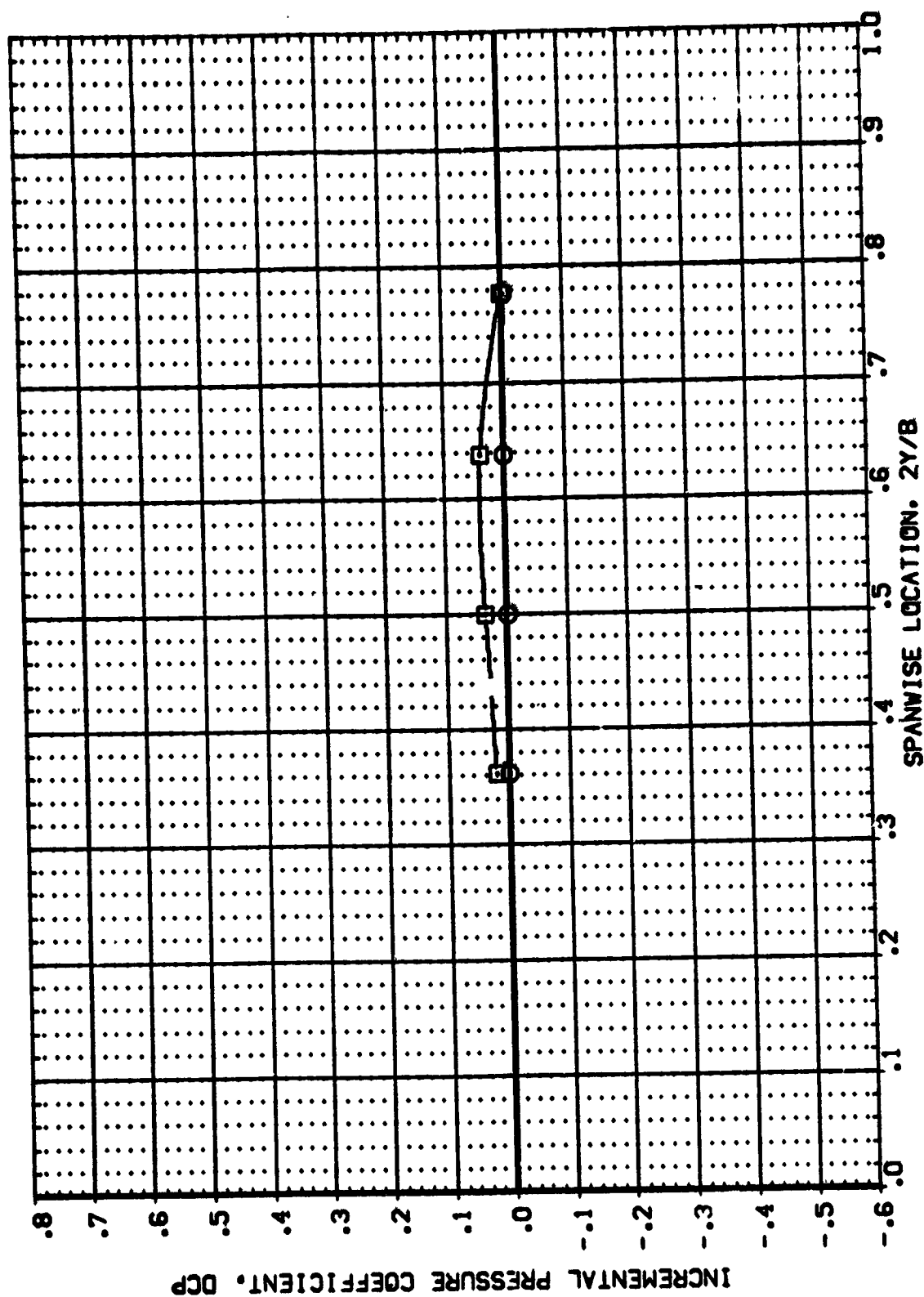


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -2.000 X/C = .500



BETA **000.000**

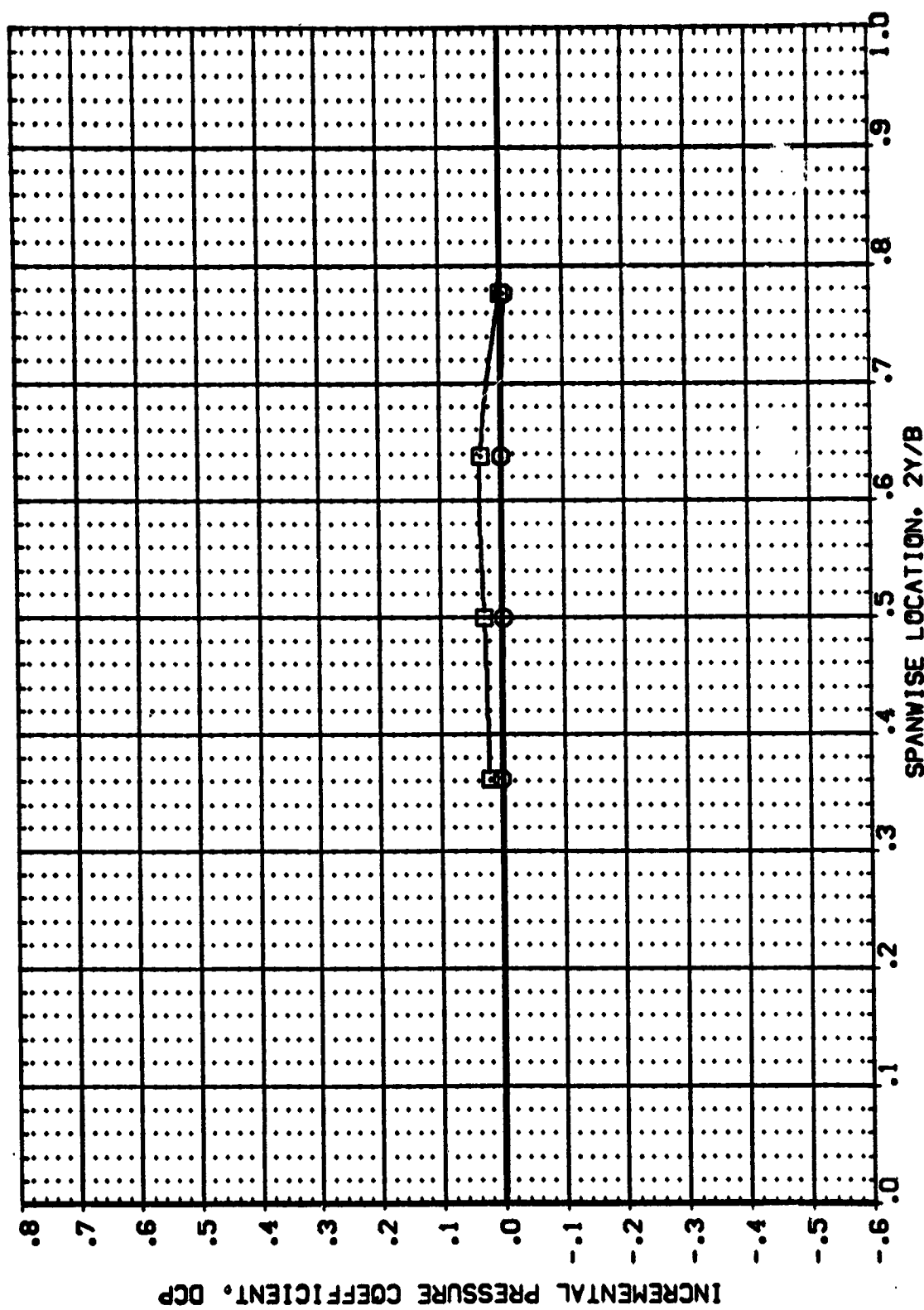


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

| | | | | | | | | |
|------|---|-------|-------|---|-------|-----|---|------|
| MACH | = | 1.991 | ALPHA | = | -.020 | X/C | = | .500 |
|------|---|-------|-------|---|-------|-----|---|------|

DATA SET SYMBOL: ☐ **AF4LO4** CONFIGURATION DESCRIPTION: **1A68 { C1 F1 M111 } - { C1 F1 } UPPER VING** BETA: **.000**
1A68 { C1 F1 M111 } - { C1 F1 } LOWER VING .000

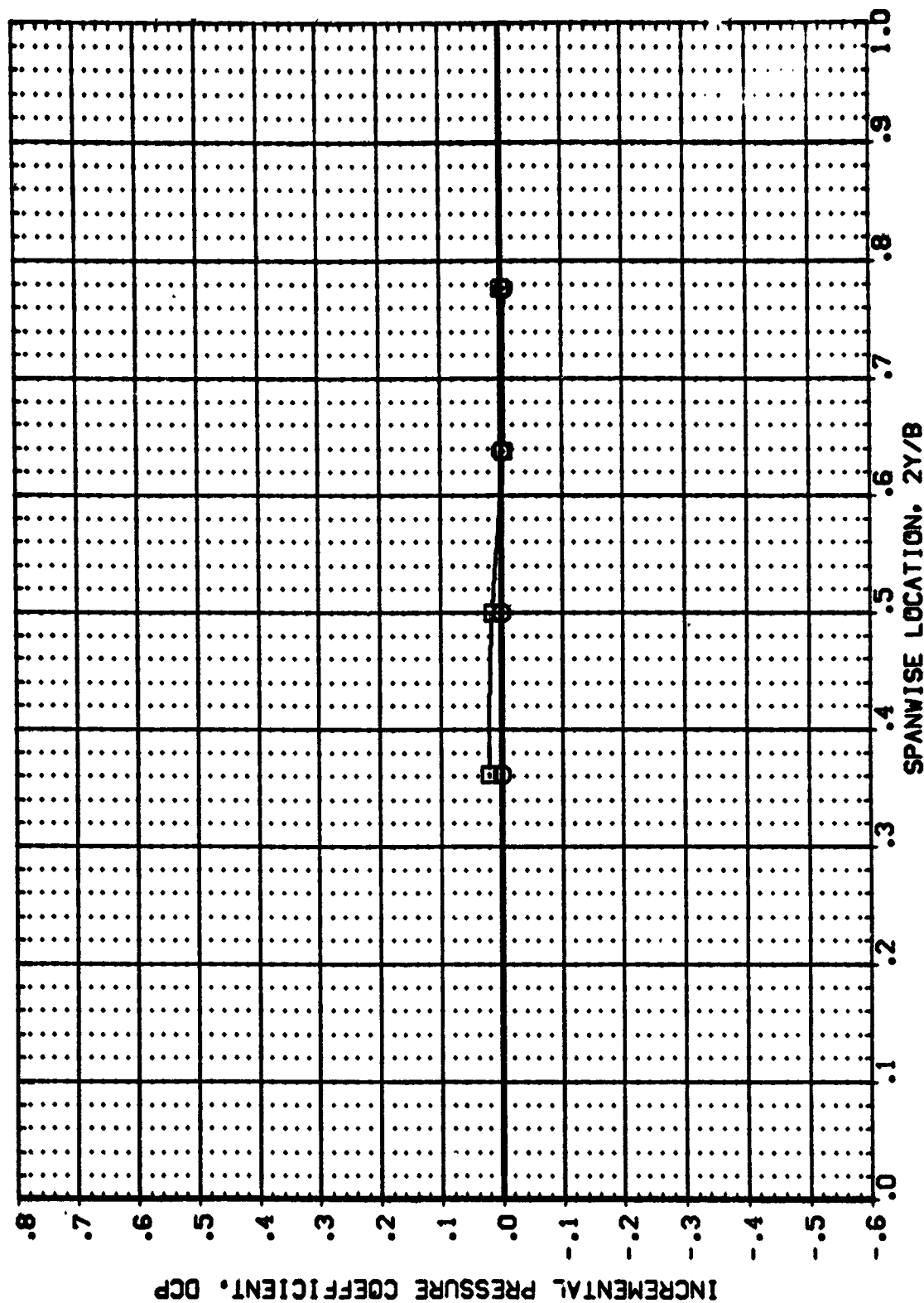


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 1.910 X/C = .500



BETA .000



FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

$$\text{MACH} = .896 \quad \text{ALPHA} = .000 \quad 2Y/B = .500$$

PAGE 1:7

BETA **000.000**

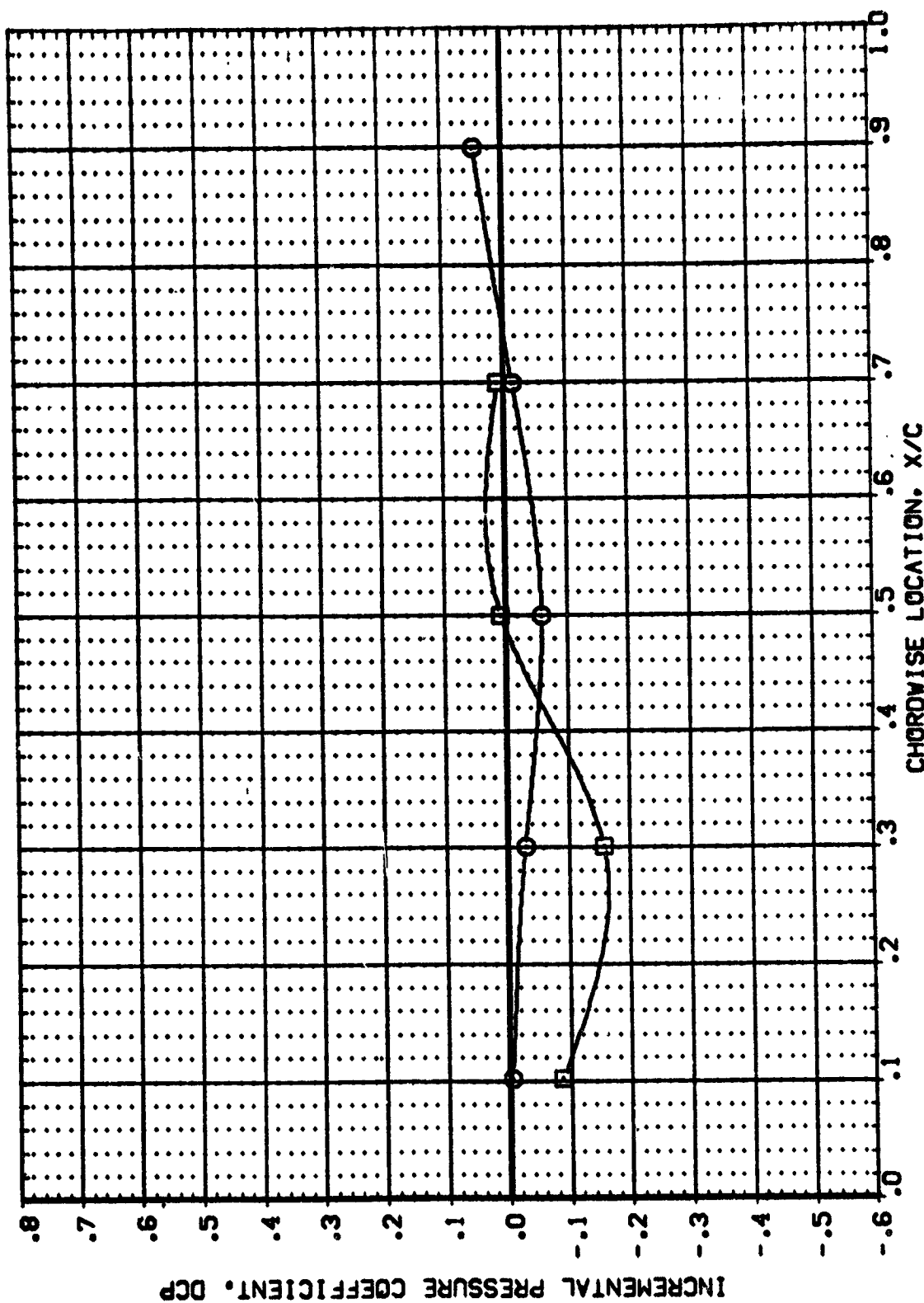


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.223 ALPHA = .000 2Y/B = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA
 {AF4LOS} 1A68 {C1 F1 M2(1)} - {C1 F1} UPPER VING .000
 {AF4LOS} 1A68 {C1 F1 M2(1)} - {C1 F1} LOWER VING .000

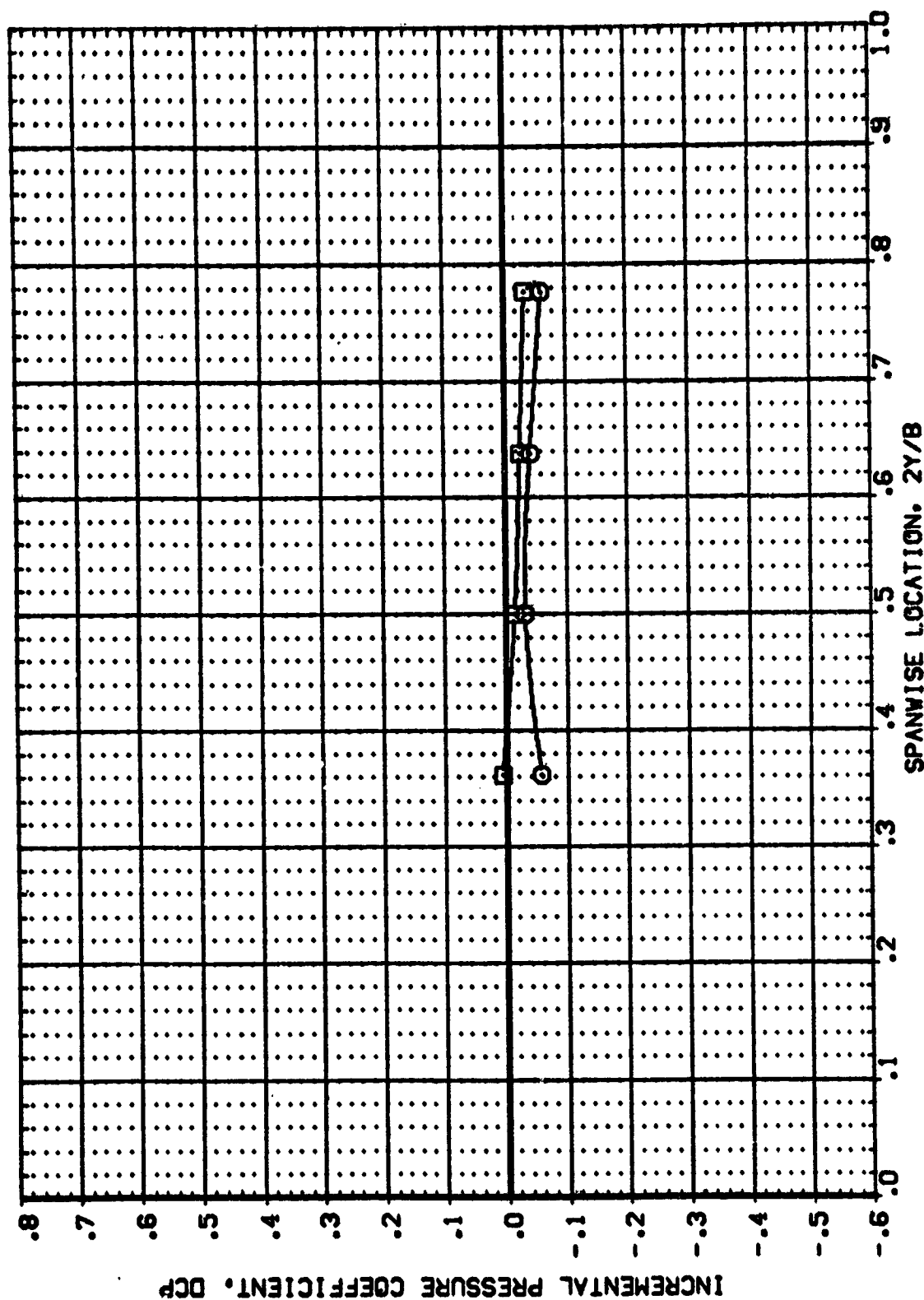


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = .000 X/C = .500 PAGE 119

DATA SET SYMBOL: \square IASB { C1 F1 M211 } - { C1 F1 } UPPER VING BETA .000
 { AF4LOS } IASB { C1 F1 M211 } - { C1 F1 } LOWER VING .000

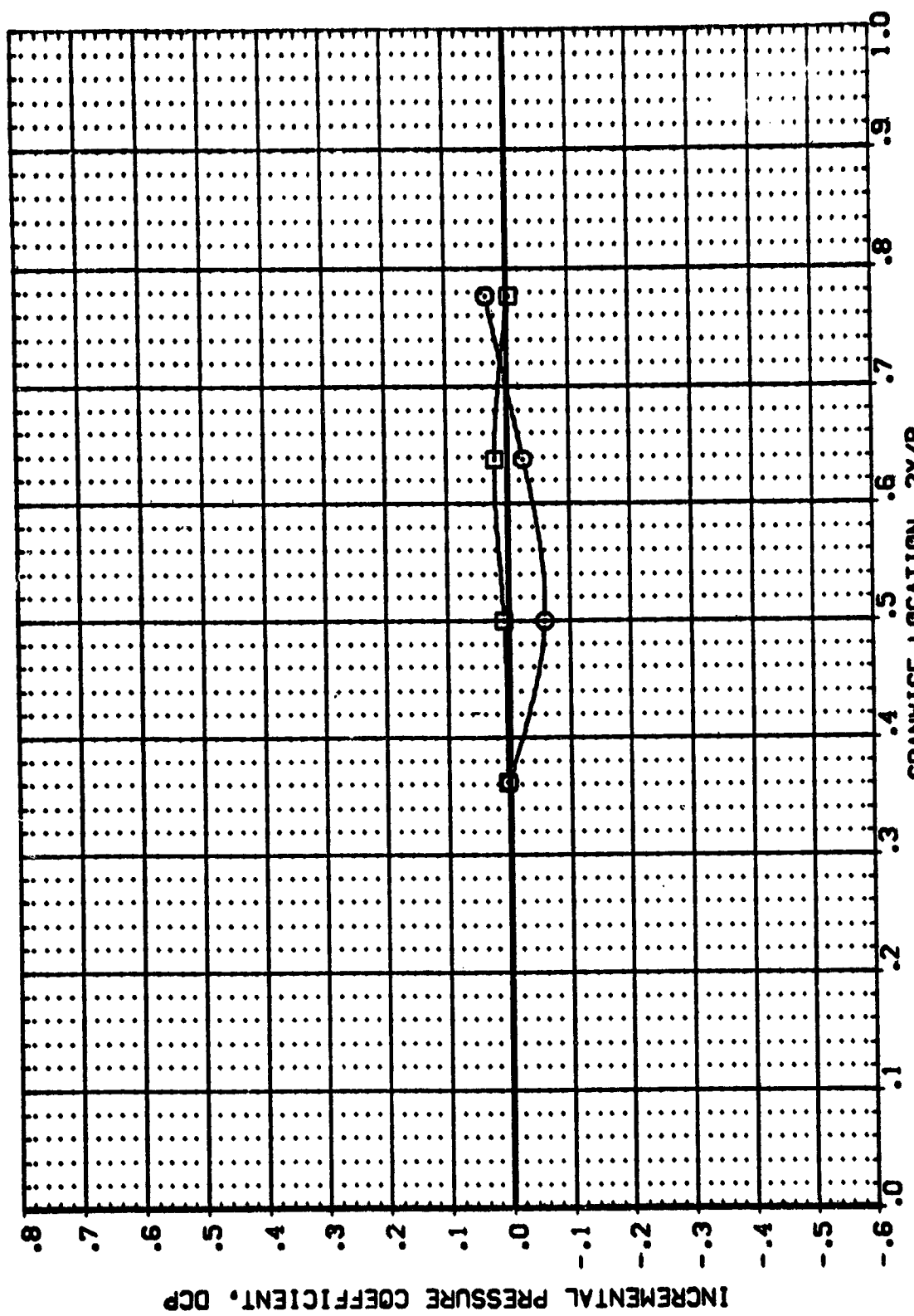


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.223 ALPHA = .000 X/C = .500



DATA SET SYMBOL: **AF4LD7** CONFIGURATION DESCRIPTION: **1A58 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING** BETA: **.000**
AF4LD7 **1A58 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING**

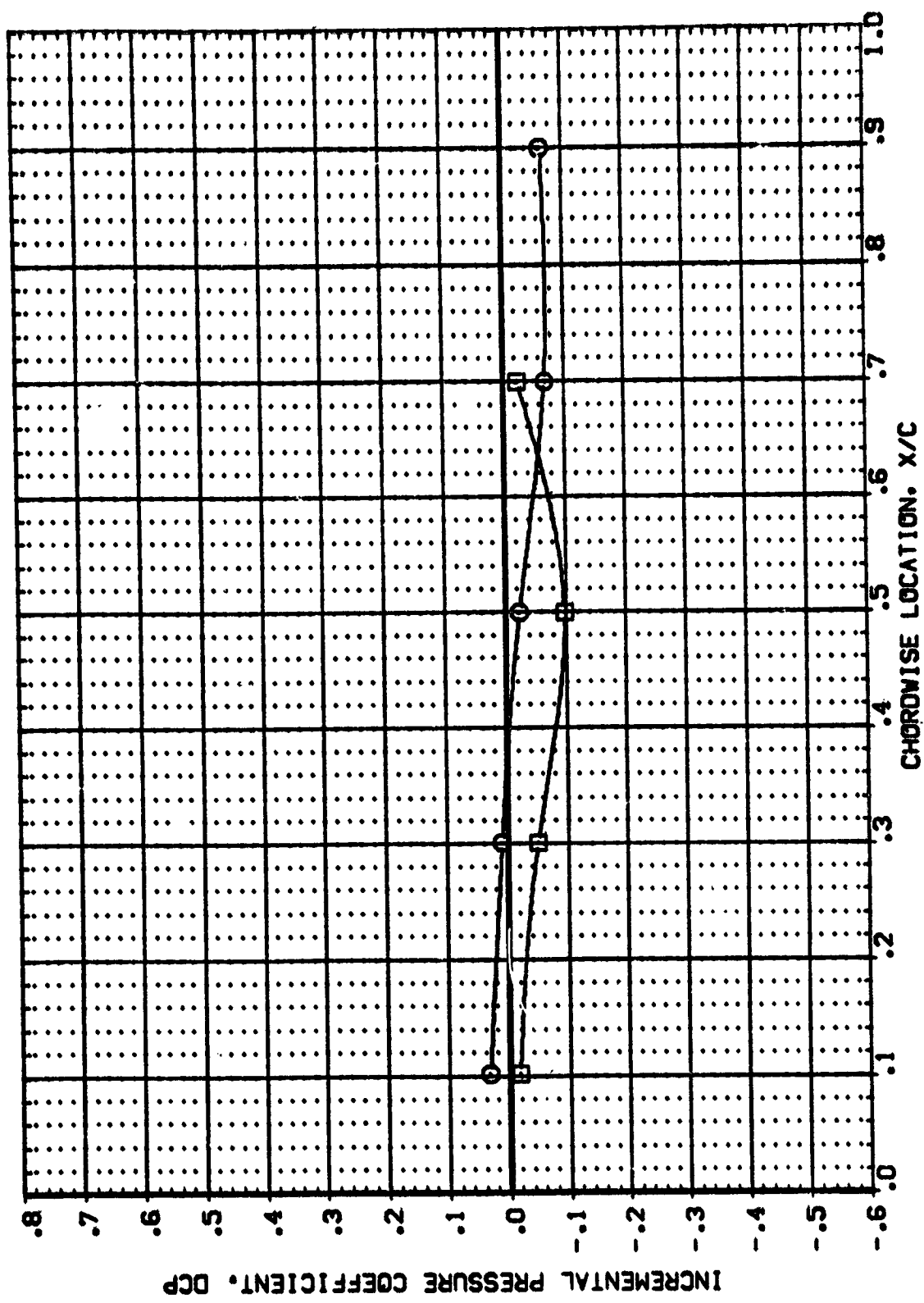


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -3.870 2Y/B = .500

DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1A68 (C1F1M2(1)+F1LLET) - (C1F1) UPPER WING** BETA: **.000**
1A68 (C1F1M2(1)+F1LLET) - (C1F1) LOWER WING BETA: **.000**

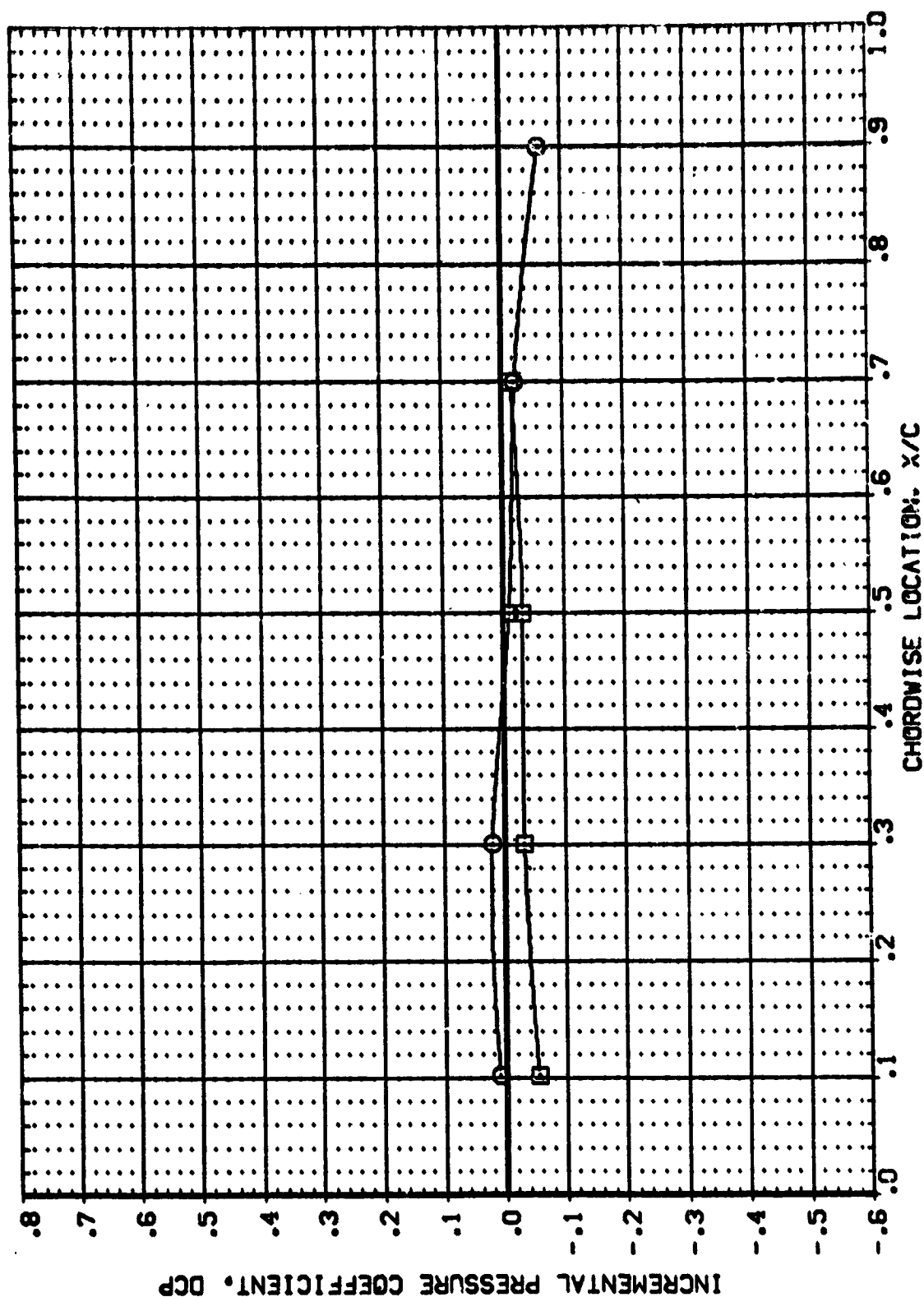


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = .000 2Y/B = .500

BETA
.000
.000

DATA SET 5/1680. CONFIGURATION DESCRIPTION
{AF4L07} 1/68 {C1F1M2(1)+FILLET} - {C1F1} UPPER VING
1/68 {C1F1M2(1)+FILLET} - {C1F1} LOWER VING

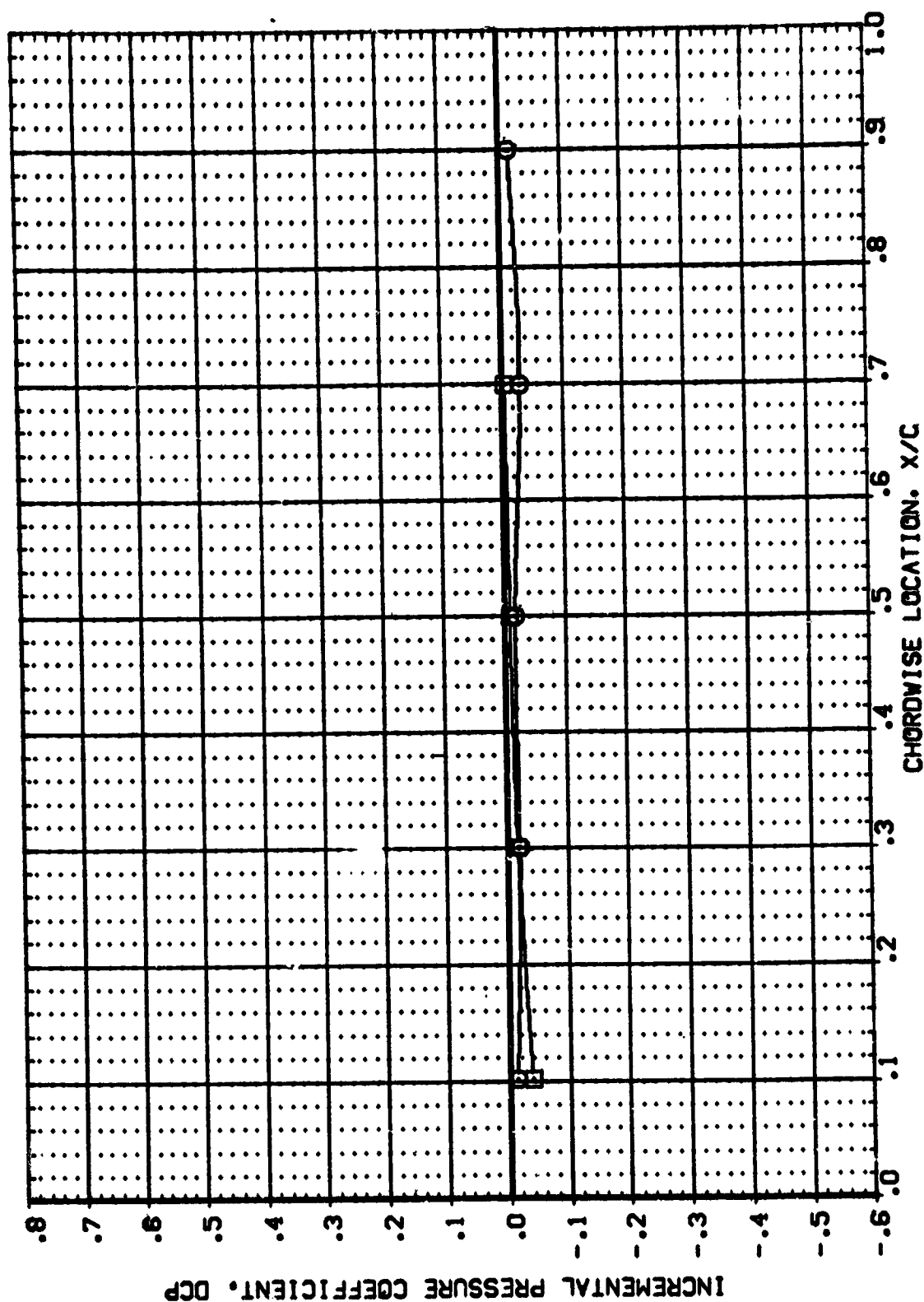


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 1.890 2Y/B = .500



DATA SET SYMB. CONFIGURATION DESCRIPTION BETA
 {AF4LD7} 1A68 {C1F1M211}+FILLET) - {C1F1} UPPER WING .000
 1A68 {C1F1M211}+FILLET) - {C1F1} LOWER WING .000

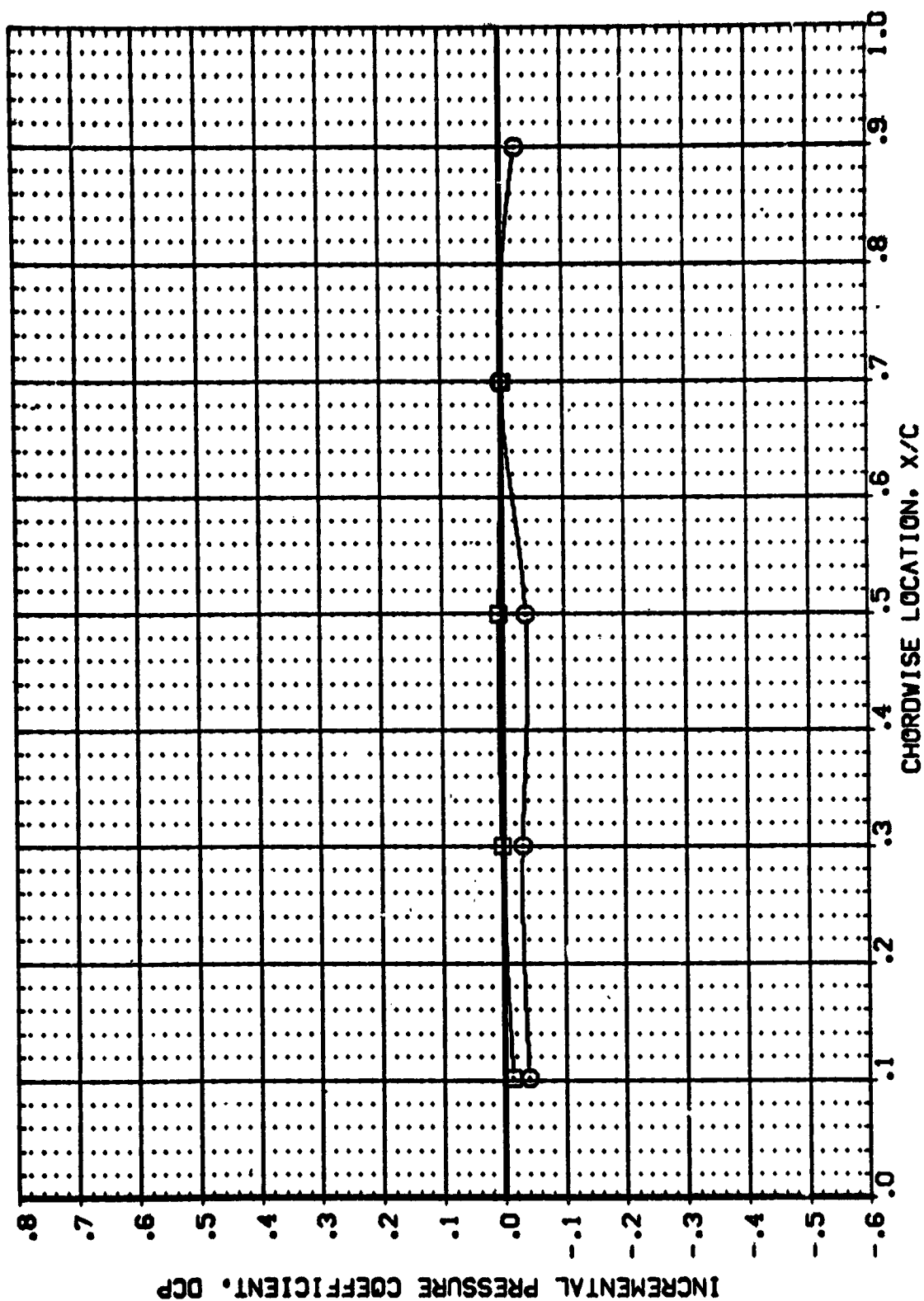



FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 3.790 2Y/B = .500

DATA SET SYMBOL: {AF4U07}  CONFIGURATION DESCRIPTION: IASB {C1F1M2(1)+FILLET} - {C1F1} UPPER WING
 BETA: .000
 .000

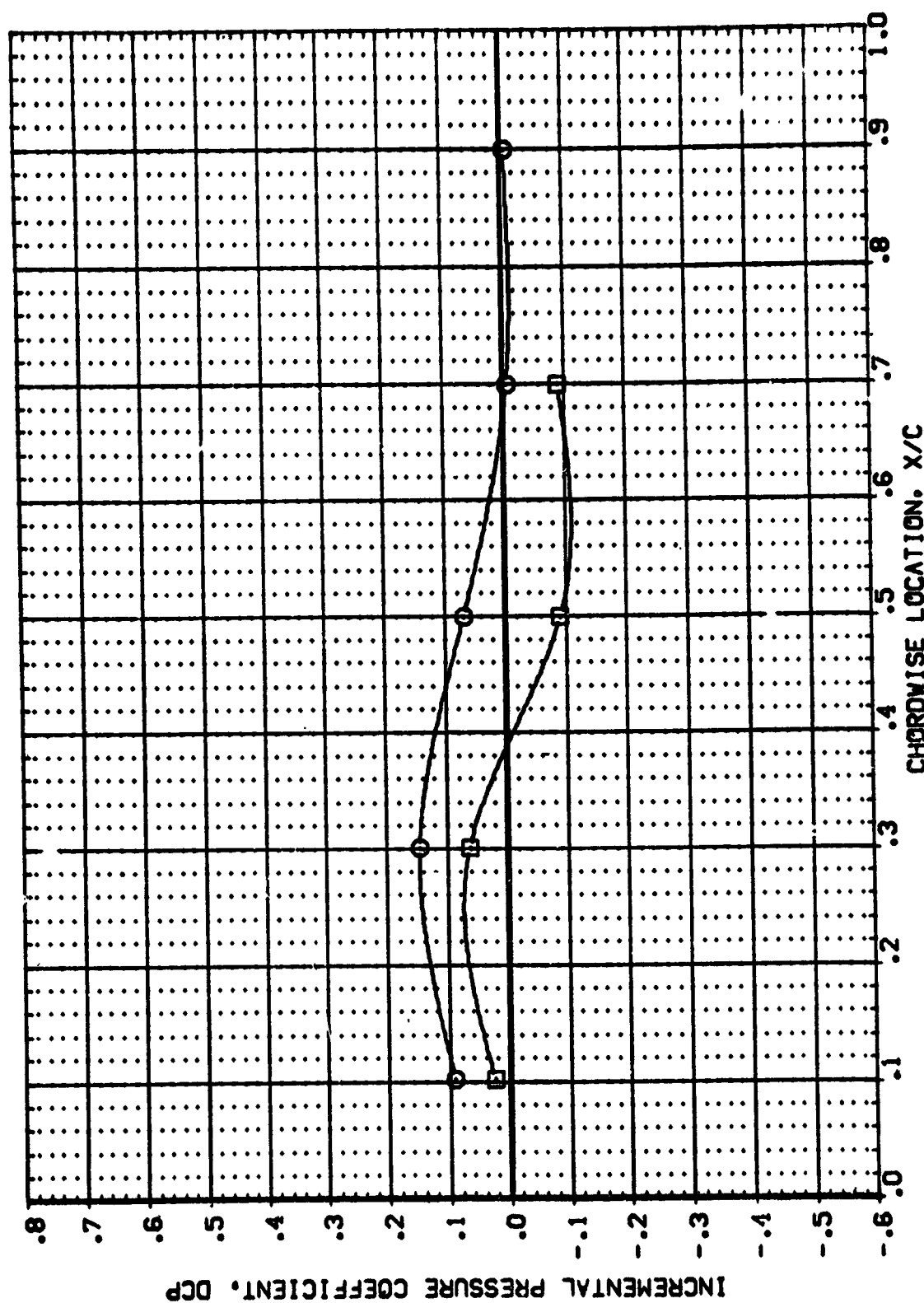


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.206 ALPHA = -3.950 2Y/B = .500

DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA
 {AF4L07} 1458 {C1F1M2(1)+FILLET} - {C1F1} UPPER WING .000
 {AF4L07} 1458 {C1F1M2(1)+FILLET} - {C1F1} LOWER WING .000

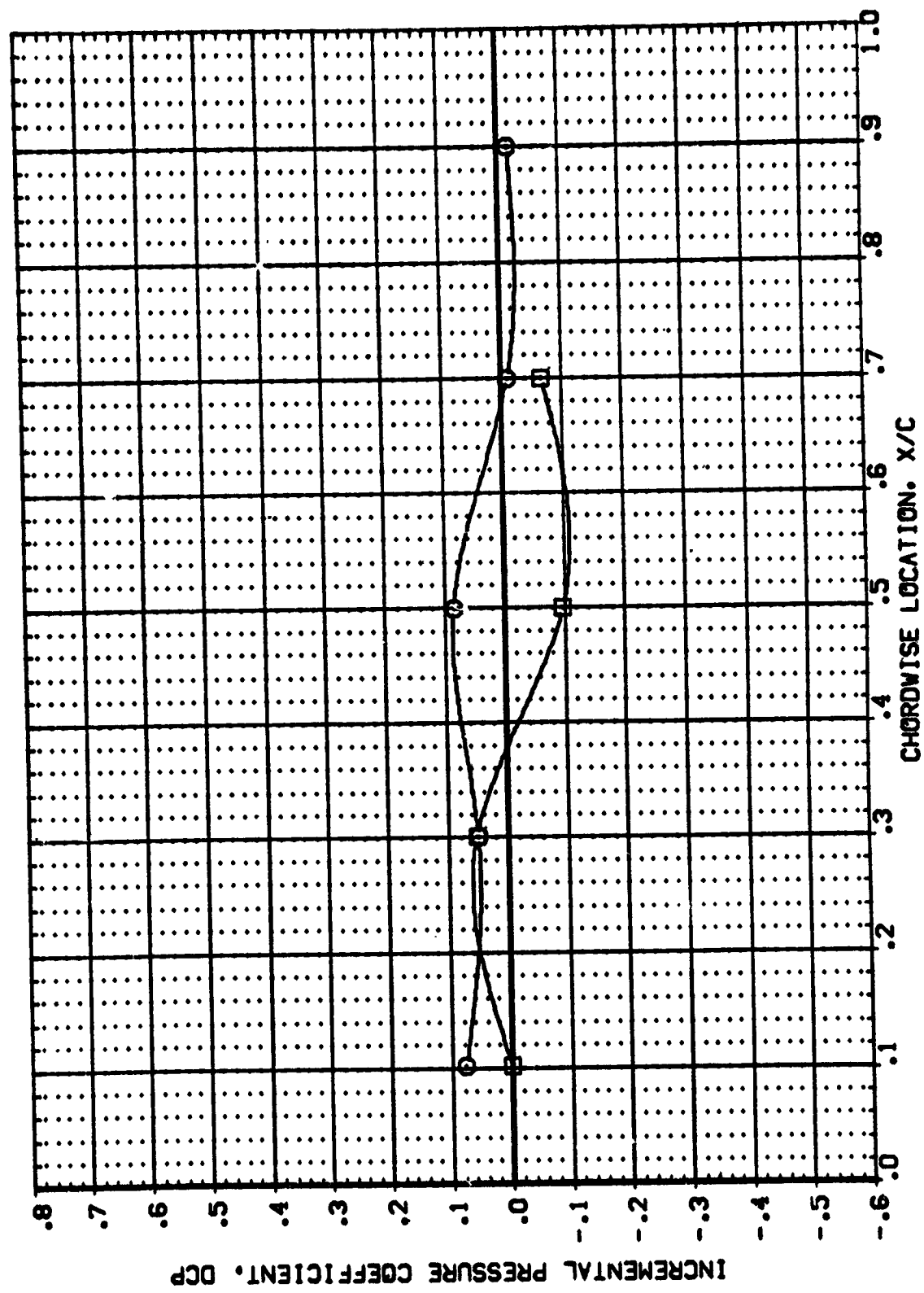


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.206 ALPHA = -2.000 2Y/B = .500 PAGE 127

DATA SET SYMBOL: **8** CONFIGURATION DESCRIPTION: 1A68 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING
 1A68 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING

BETA
 .000

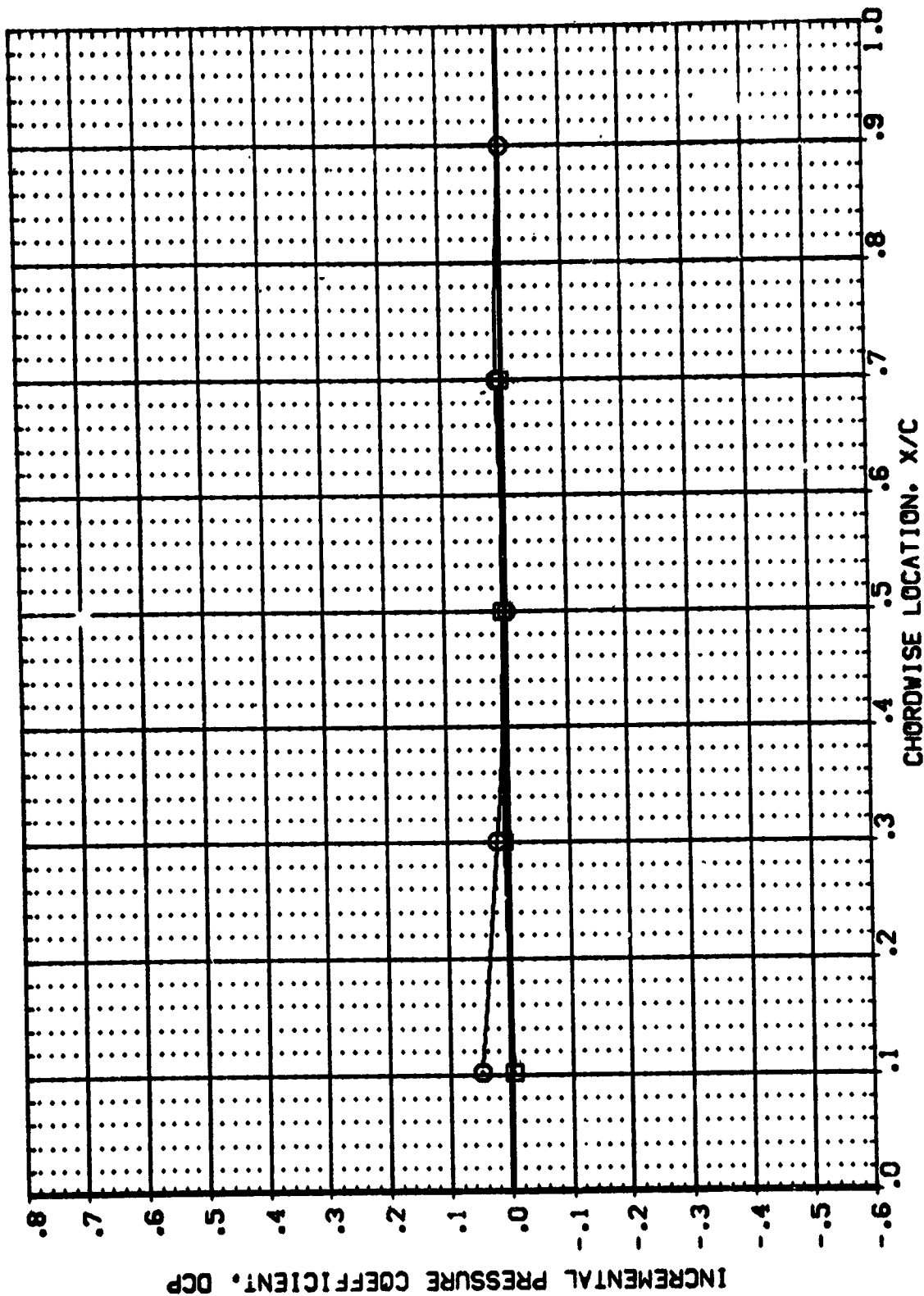


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.206 ALPHA = 3.850 2Y/B = .500



DATA SET SYMBOL: **8** CONFIGURATION DESCRIPTION: **1A58 (C1F1P2(1)+FILLET) - (C1F1) UPPER WING** BETA: **.000**
1A58 (C1F1P2(1)+FILLET) - (C1F1) LOWER WING **.000**

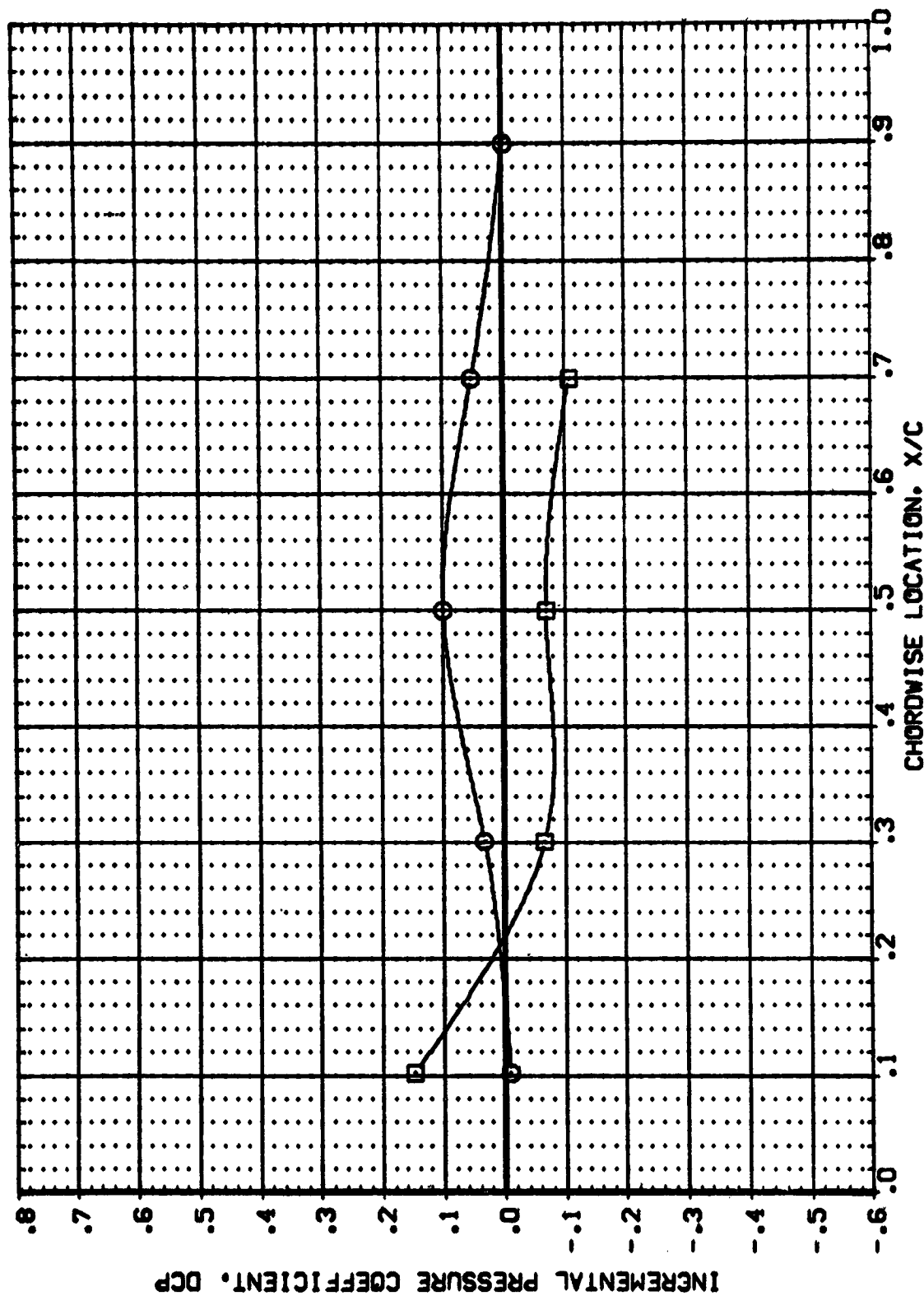


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -3.850 2Y/B = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION BETA
 [AF4L07] Q [AGB (C1F1M2(1)+FILLET) - (C1F1) UPPER WING] .000
 [AF4L07] [[AGB (C1F1M2(1)+FILLET) - (C1F1) LOWER WING] .000

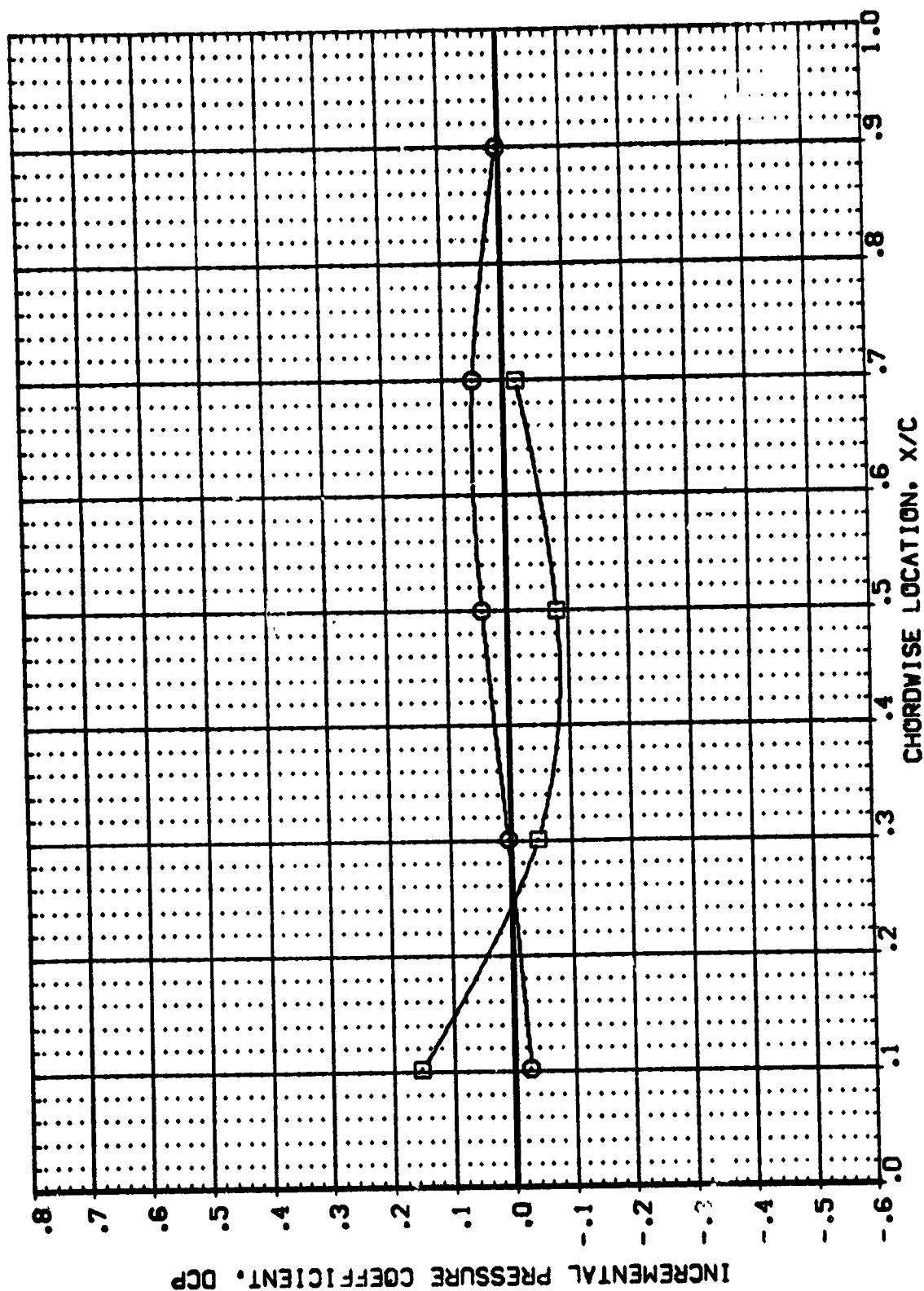


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = .010 2Y/B = .500



DATA SET SYMBOL: 8
 CONFIGURATION DESCRIPTION: 1A88 (C1F1)2(11)+FILLET) - (C1F1) UPPER WING
 1A88 (C1F1)2(11)+FILLET) - (C1F1) LOWER WING

BETA
 .000
 .000

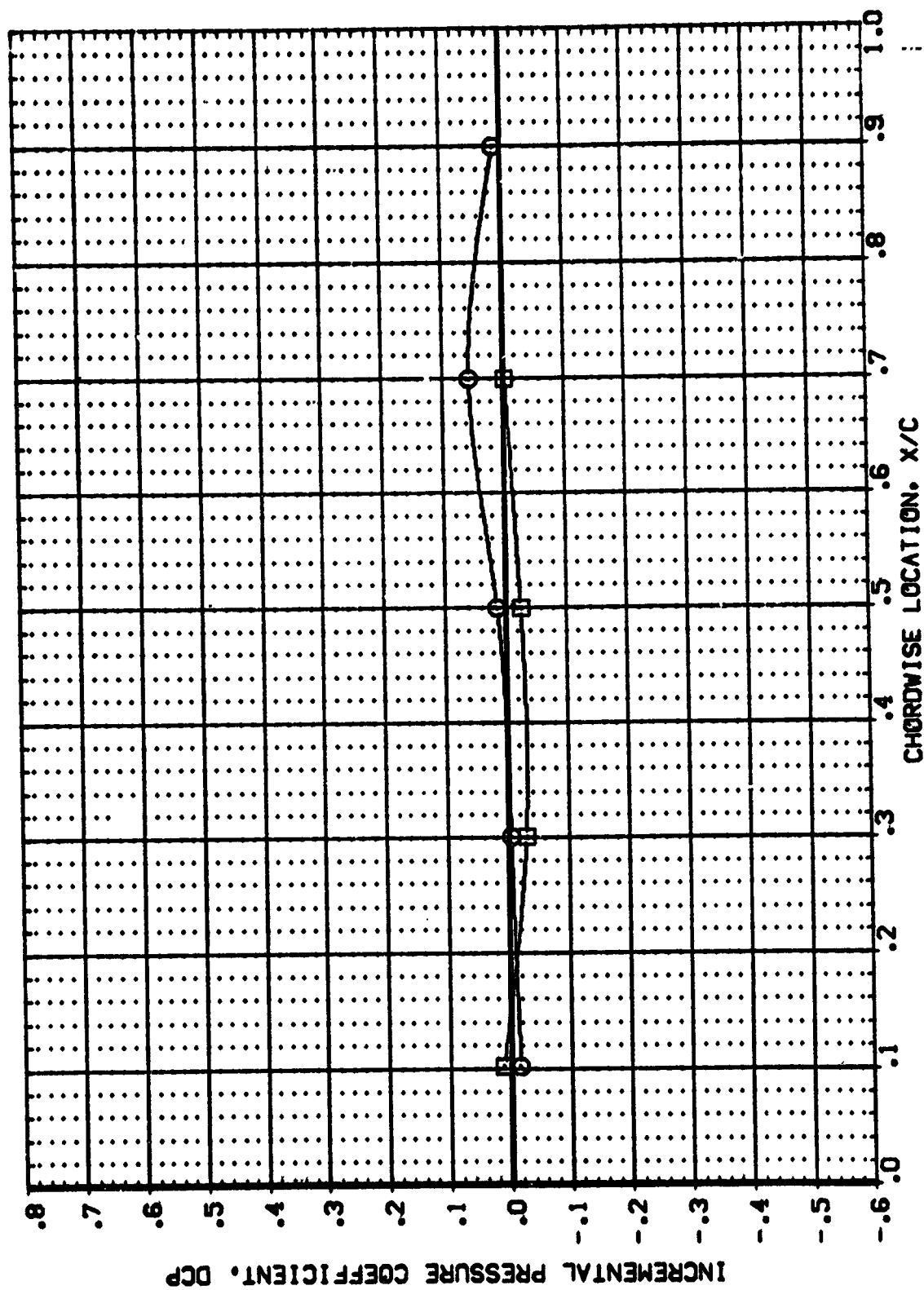


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 1.940 2Y/B = .500

DATA SET SYMBOL: ☐ AF4LO7 } CONFIGURATION DESCRIPTION: IAGB (C1F1M211)+FILLET) - (C1F1) UPPER WING BETA .000
☐ AF4LO7 } IAGB (C1F1M211)+FILLET) - (C1F1) LOWER WING .000

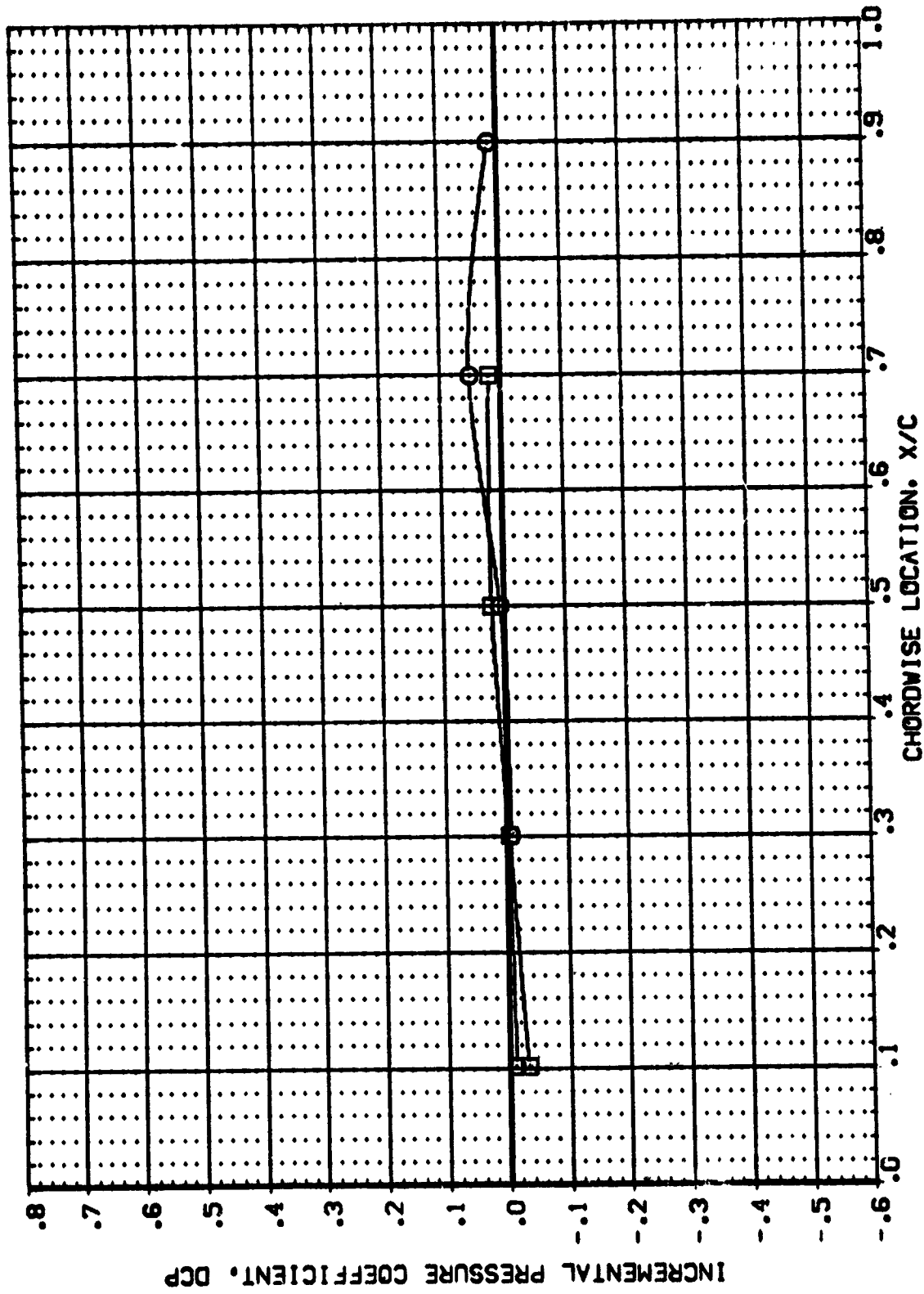


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 3.810 2Y/B = .500



DATA SET SYMBOL: [AF4U07] [AF4U07]
 CONFIGURATION DESCRIPTION: 1A58 (C1F1M2(1)+FILLET) - (C1F1) UPPER VING
 1A58 (C1F1M2(1)+FILLET) - (C1F1) LOWER VING
 BETA: .000
 .000

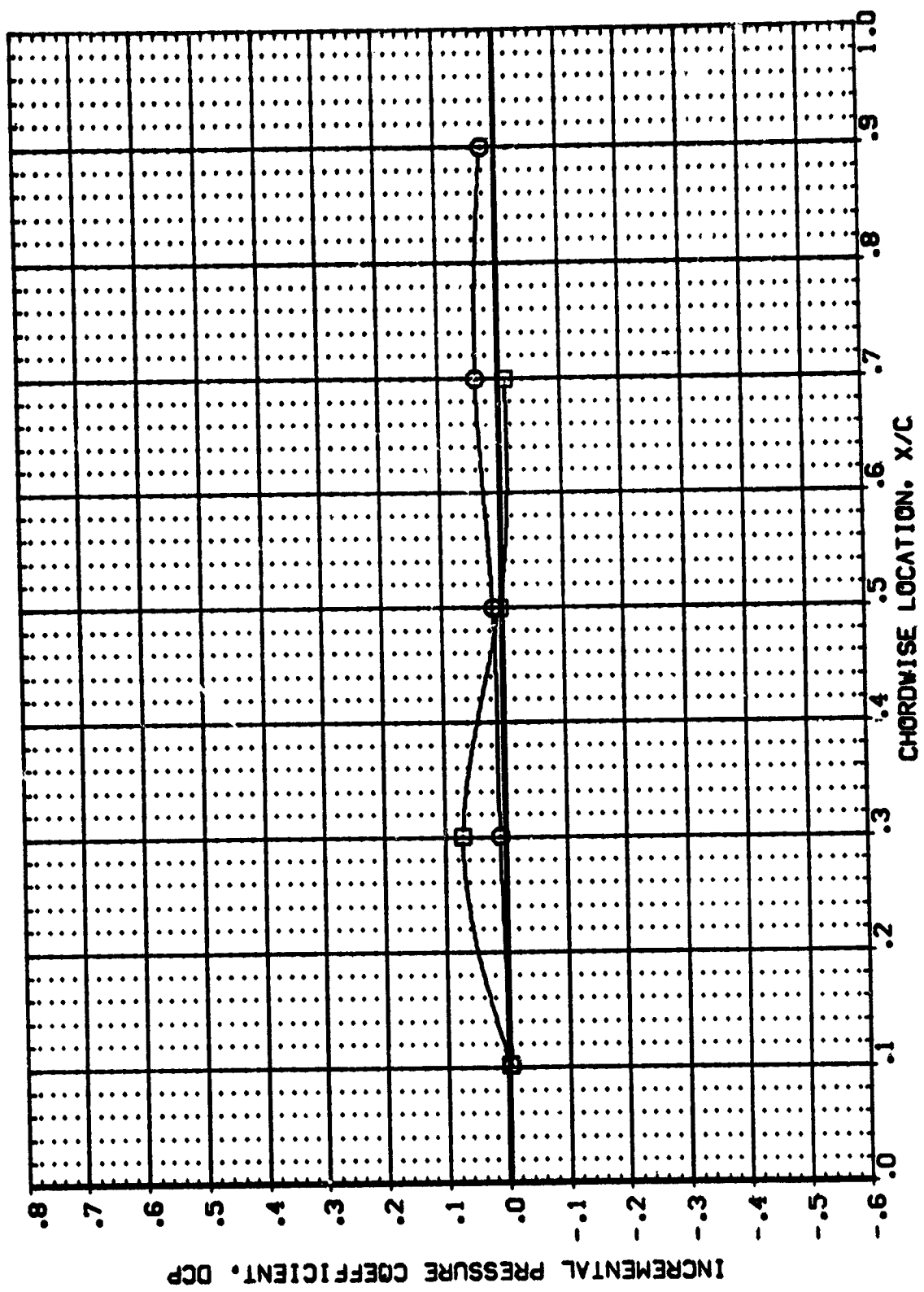


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -1.900 2Y/B = .500

DATA SET SYMBOL: ☐ 1A68 (C1F1M211)+FILLET) - (C1F1) UPPER WING
☐ 1A68 (C1F1M211)+FILLET) - (C1F1) LOWER WING
 BETA .000

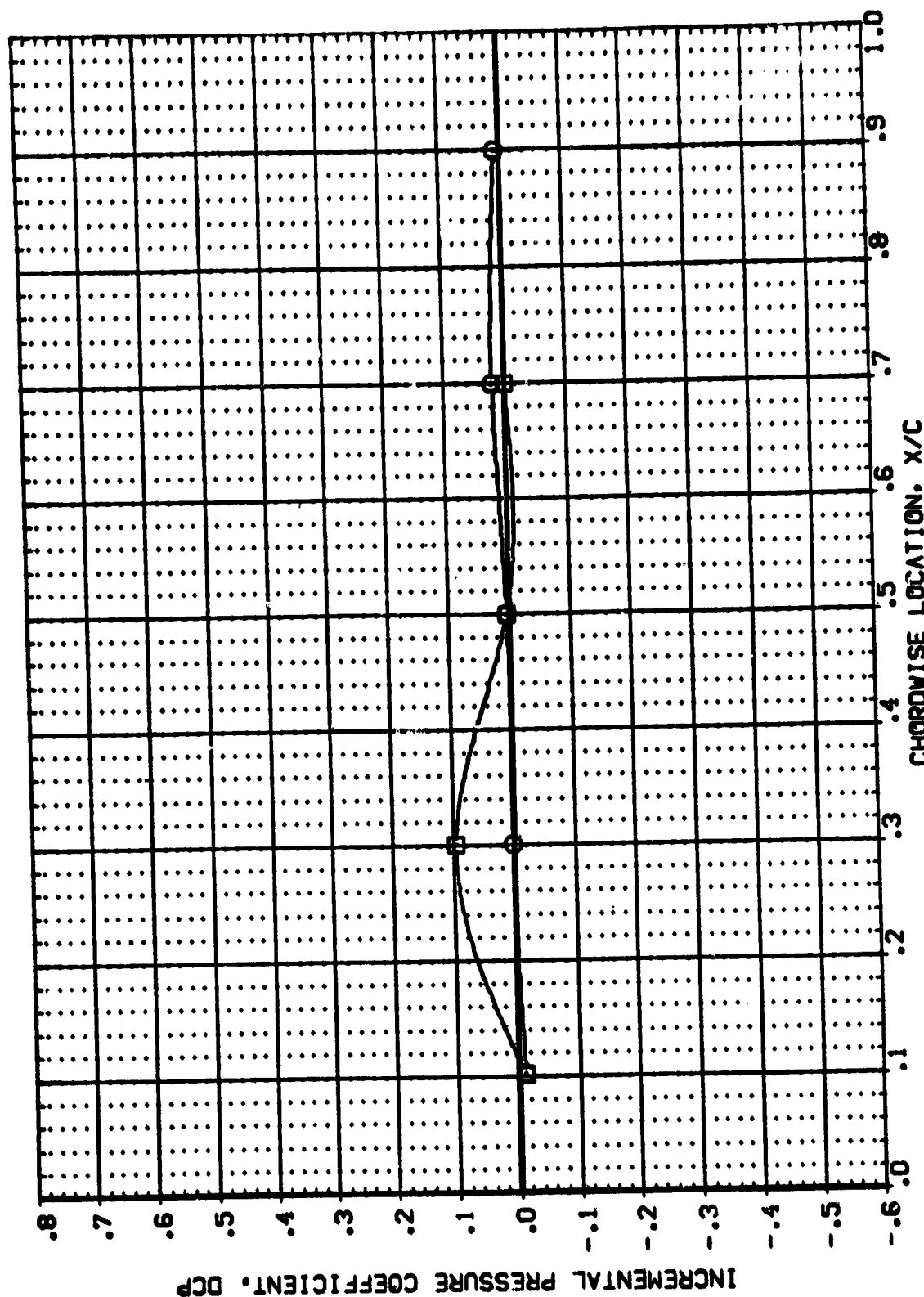


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = .100 2Y/B = .500



DATA SET SYMB. CONFIGURATION DESCRIPTION BETA
 {AF4LO7} □ 1A68 {CIF1M2(1)+FILLET} - {CIF1} UPPER VING .000
 {AF4LO7} □ 1A68 {CIF1M2(1)+FILLET} - {CIF1} LOWER VING .000

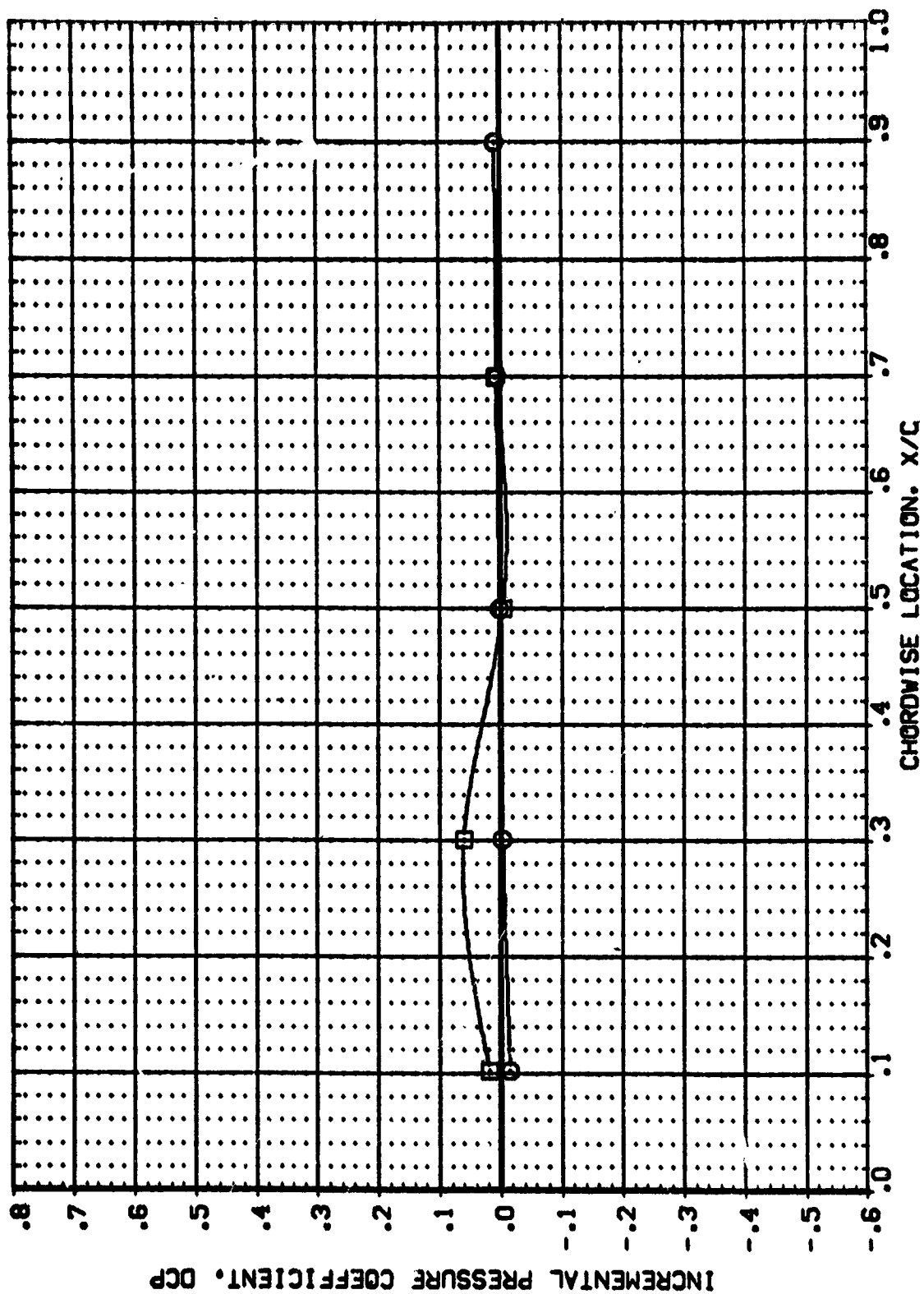


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 2.120 2Y/B = .500

BETA
.000
.000

DATA SET SYMB. CONFIGURATION DESCRIPTION
[AF4L07] 1A68 (CIF1M2(1)+FILLET) - (CIF1) UPPER WING
[AF4L07] 1A68 (CIF1M2(1)+FILLET) - (CIF1) LOWER WING

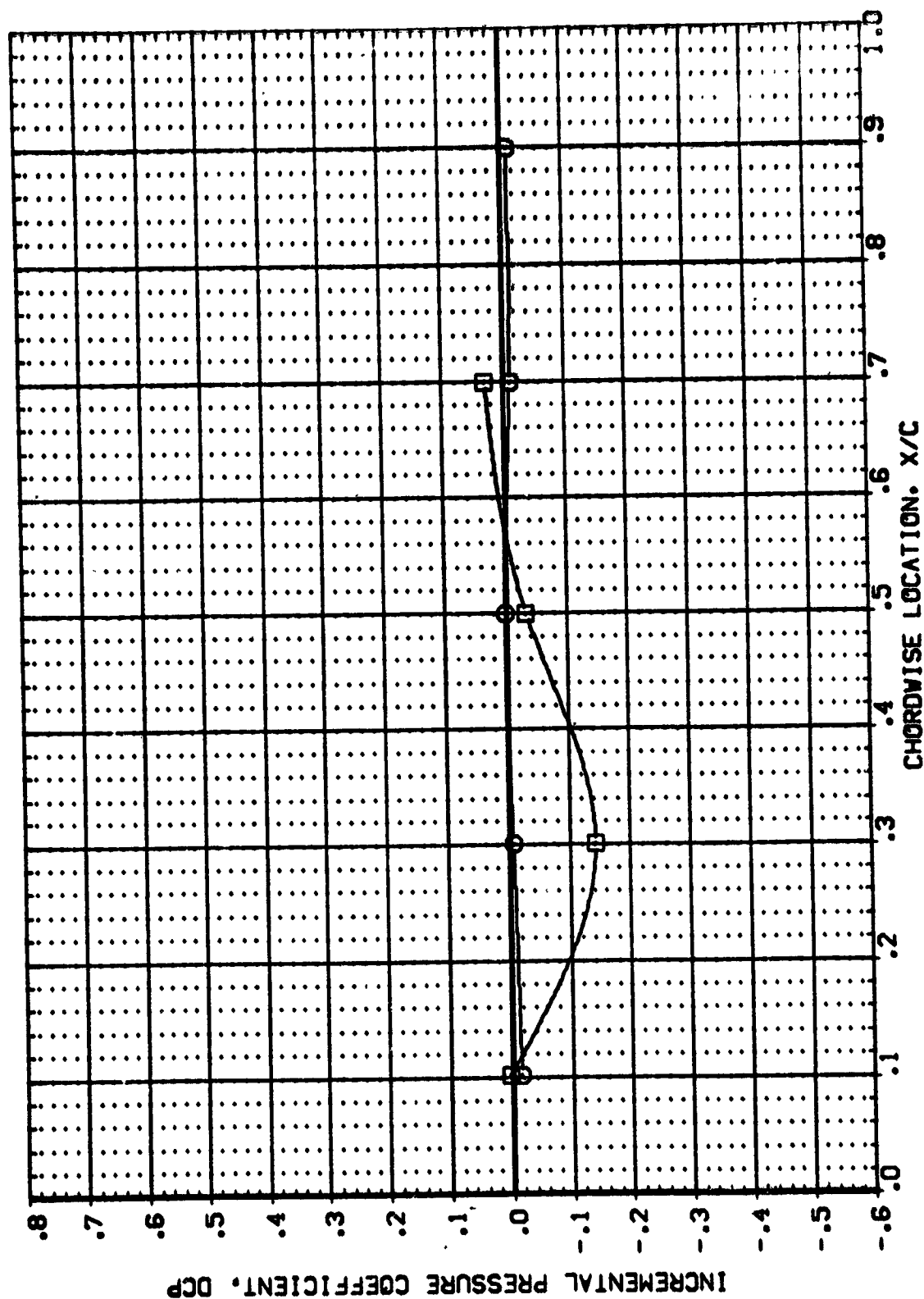


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 4.070 2Y/B = .500



DATA SET SYMBOL: [AF4L07] CONFIGURATION DESCRIPTION: IAGS {C1F1M2(1)+FILLET} - {C1F1} UPPER WING
 IAGS {C1F1M2(1)+FILLET} - {C1F1} LOWER WING BETA: .000

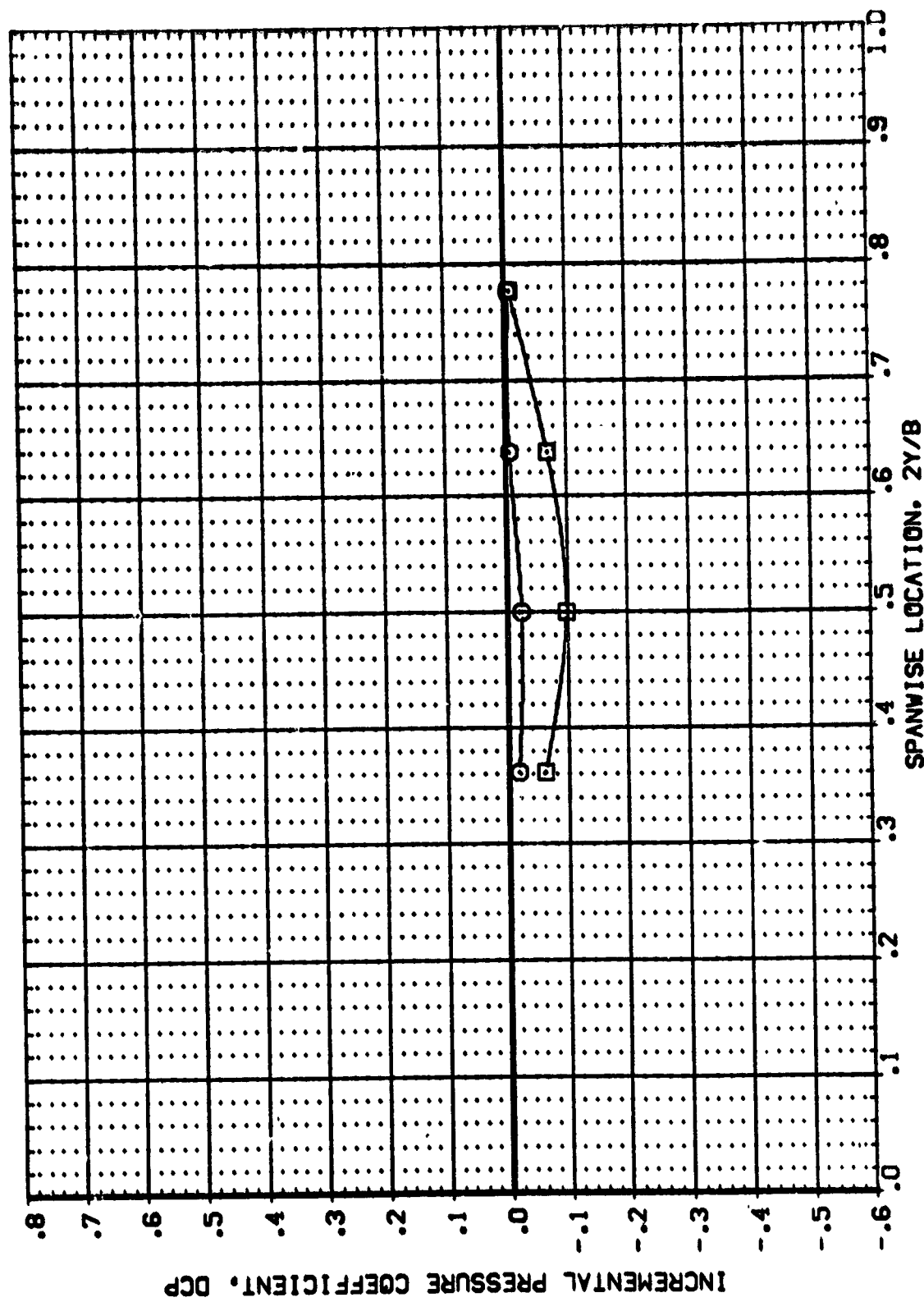


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -3.870 X/C = .500

DATA SET SYMBOL: **9** CONFIGURATION DESCRIPTION: **1A68 (CIF1P2(1)+FILLET) - (CIF1) UPPER WING**
1A68 (CIF1P2(1)+FILLET) - (CIF1) LOWER WING BETA: **.000**
.000

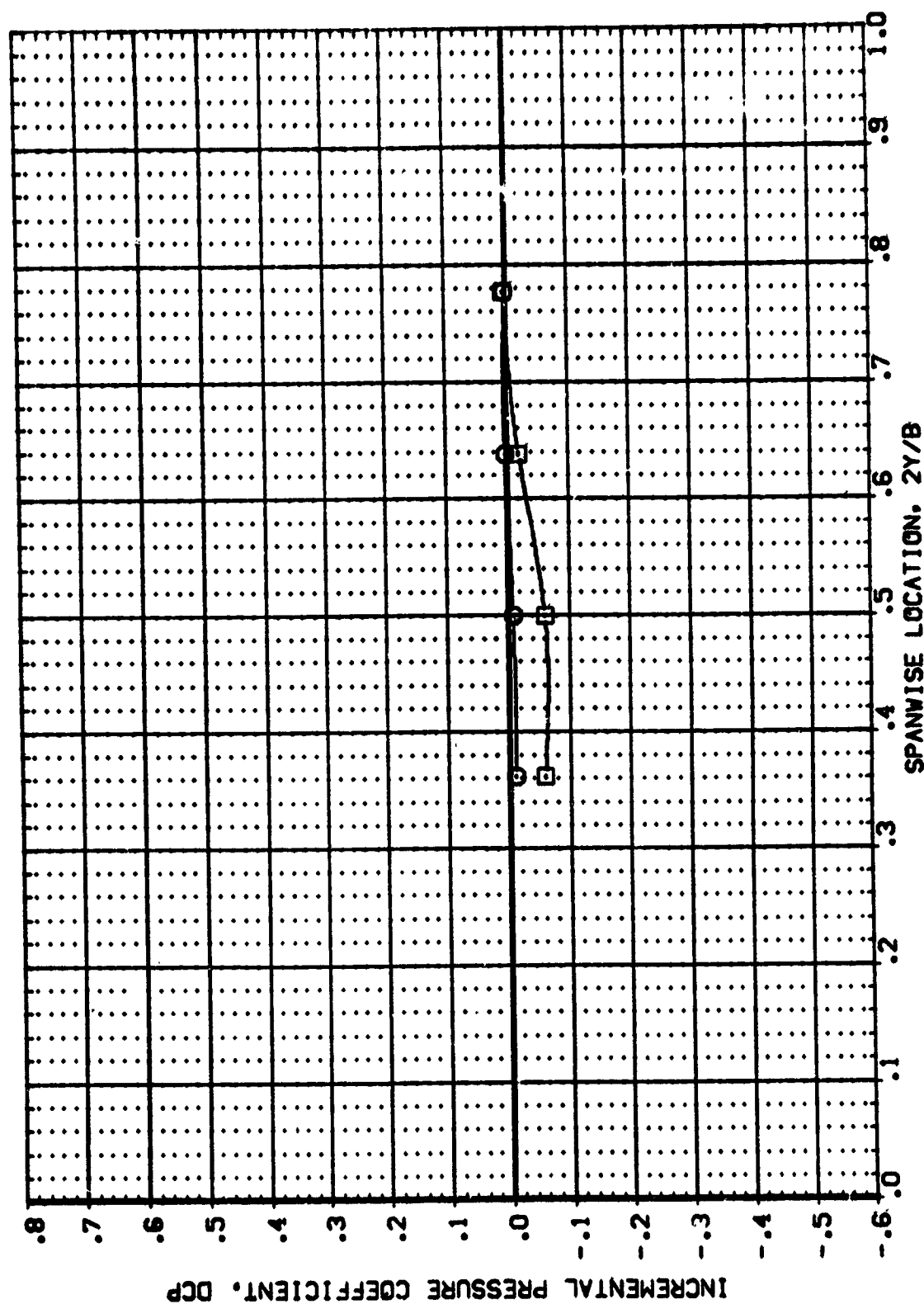


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = **.896** ALPHA = **-1.920** X/C = **.500** PAGE **:39**



BETA
.000
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(AF4U07) □ 1A88 (C1F1M2(1)+F1LLET) - (C1F1) UPPER VING
(AF4U07) □ 1A89 (C1F1M2(1)+F1LLET) - (C1F1) LOWER VING

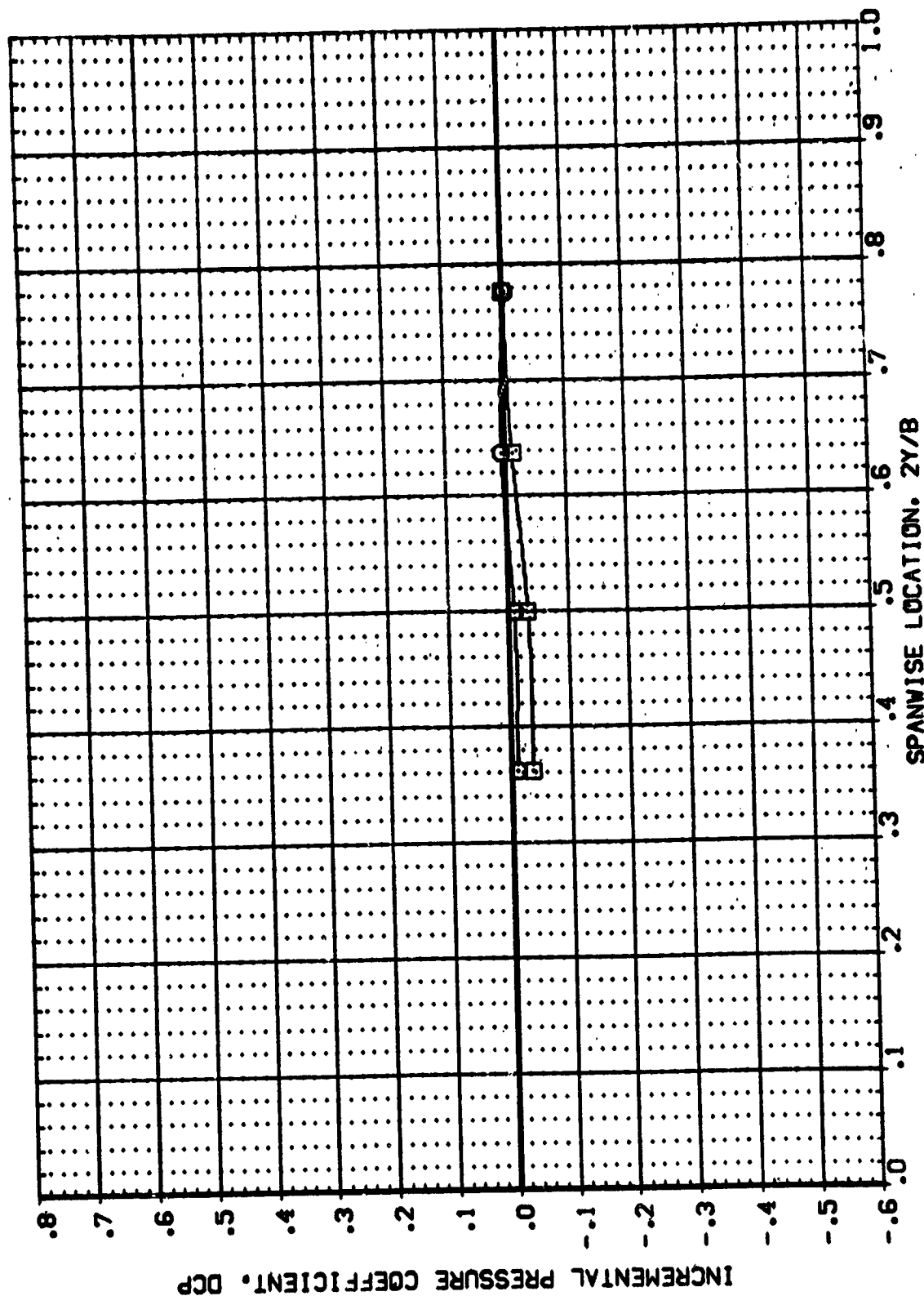


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = .000 X/C = .500

DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1A68 (C1F1M211)+FILLET) - (C1F1) UPPER WING**
1A68 (C1F1M211)+FILLET) - (C1F1) LOWER WING

BETA
 .000
 .000

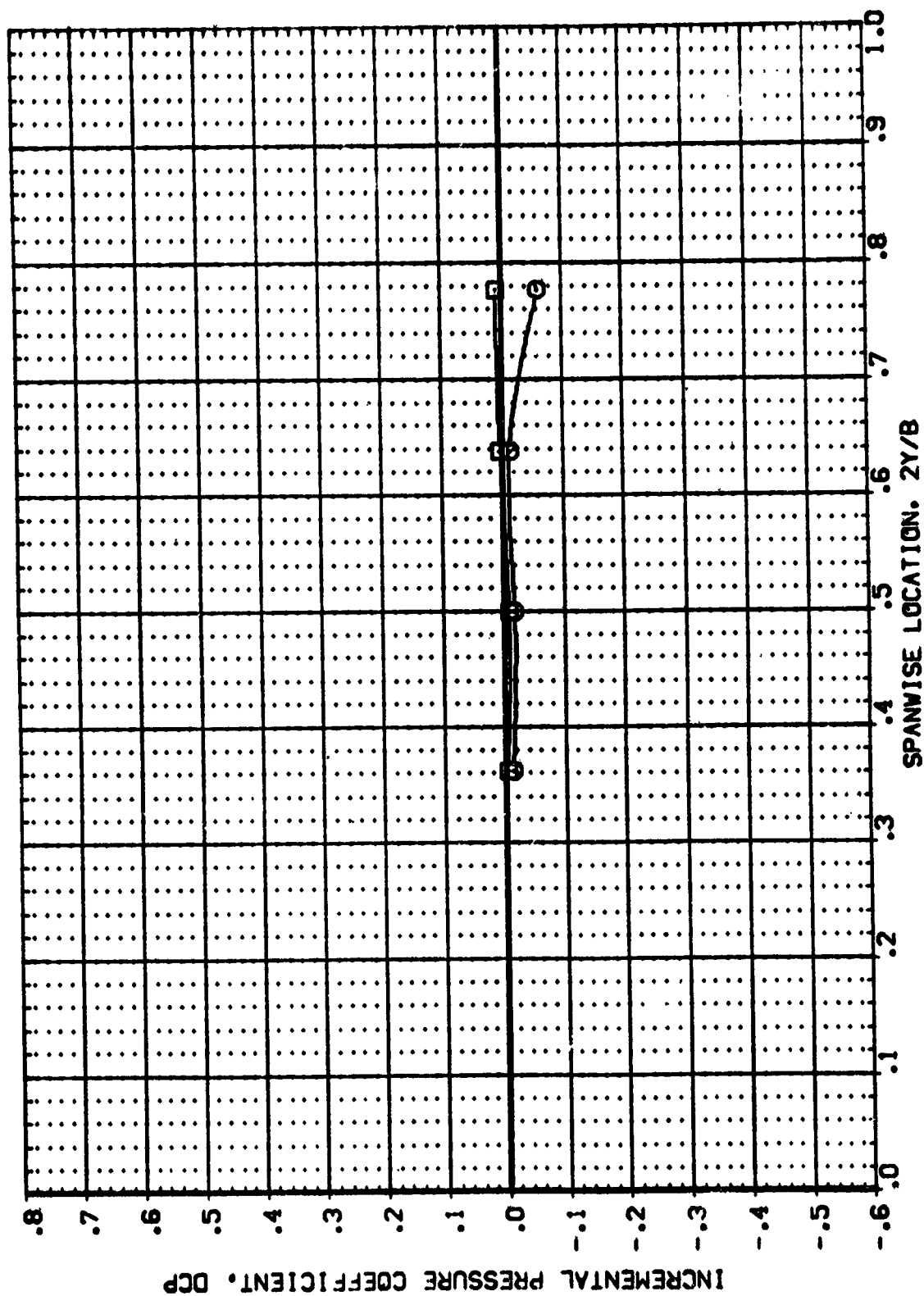


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 1.890 X/C = .500



DATA SET SYMBOL: ☐ 1A88 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING
☐ 1A89 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING

BETA
 .000
 .000

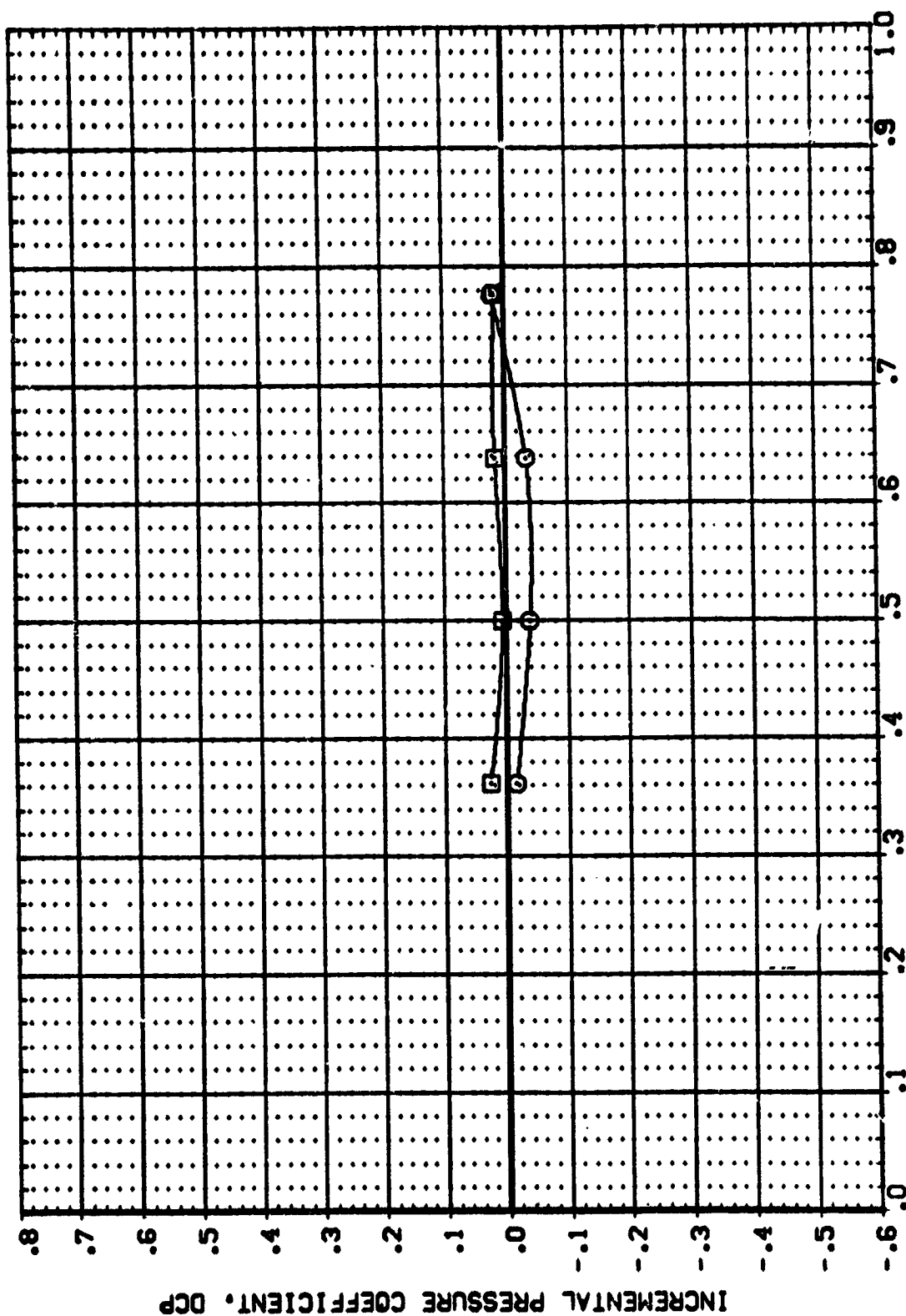


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 3.790 X/C = .500

DATA SET SYMBOL. CONFIGURATION DESCRIPTION BETA
 {AF4L07} 1A68 {C1F1M2(1)+FILLET} - {C1F1} UPPER WING .000
 {AF4L07} 1A68 {C1F1M2(1)+FILLET} - {C1F1} LOWER WING .000

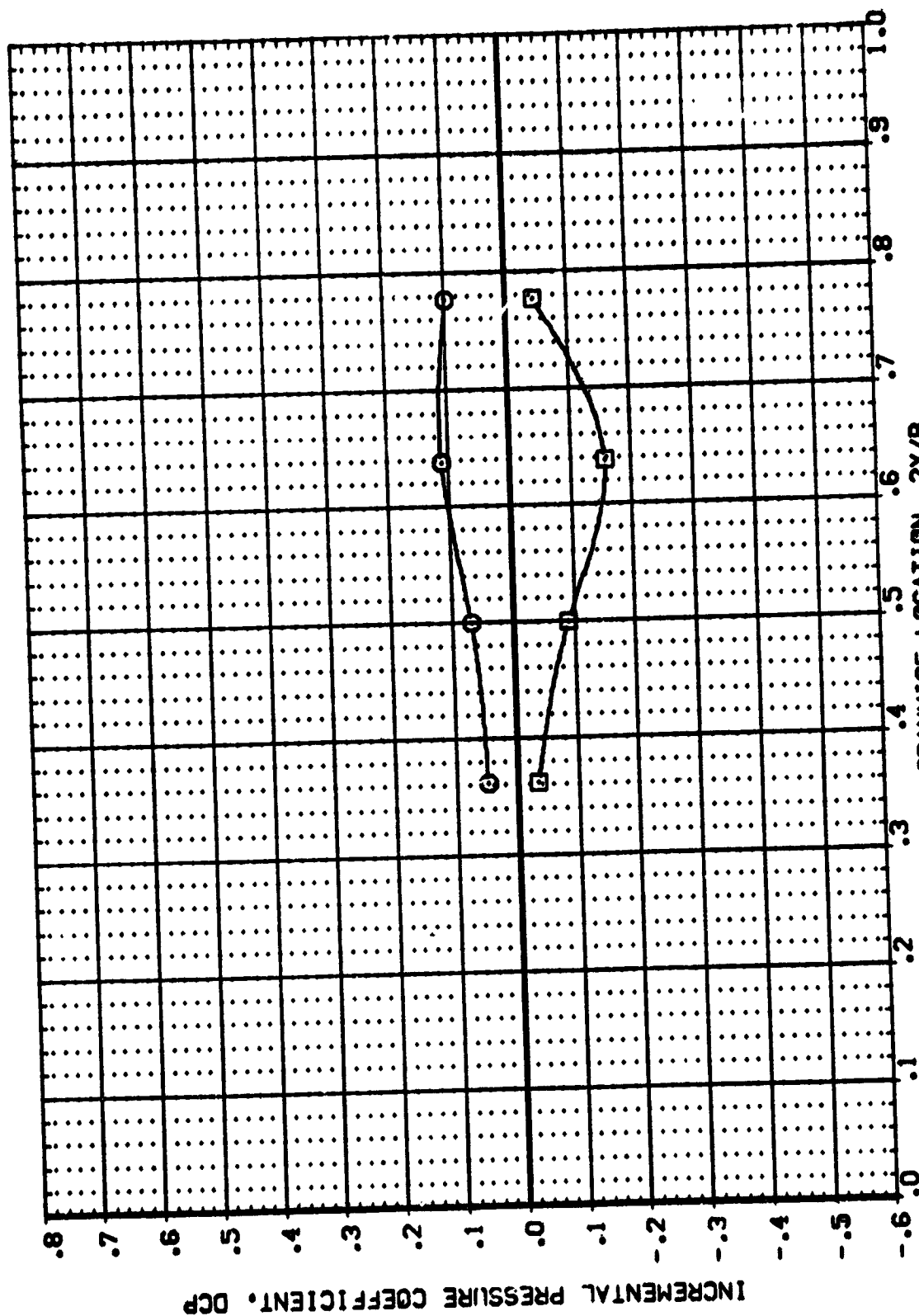


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.206 ALPHA = -3.950 X/C = .500

| DATA SET SYMB. | CONFIGURATION DESCRIPTION |
|----------------|---|
| {AF4L07} | 1A68 (C1F121)+FILLET) - (C1F1) UPPER WING |
| {AF4L07} | 1A68 (C1F121)+FILLET) - (C1F1) LOWER WING |

| DATA SET SYMB. | CONFIGURATION DESCRIPTION |
|----------------|---|
| {AF4L07} | 1A68 (C1F121)+F1LLET) - (C1F1) UPPER WING |
| {AF4L07} | 1A68 (C1F121)+F1LLET) - (C1F1) LOWER WING |

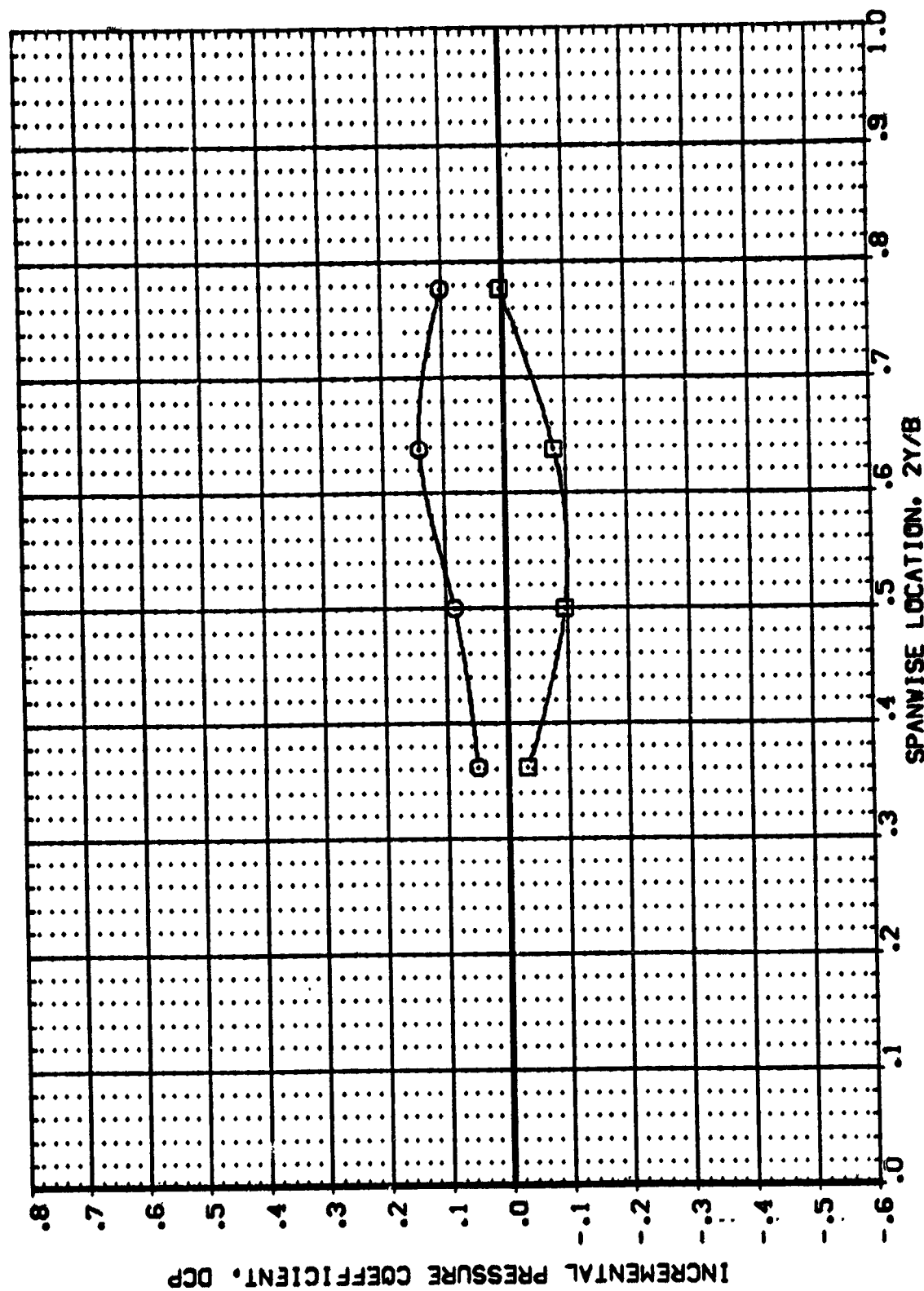


FIG 10. STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

| | | | | | | | | |
|------|---|-------|-------|---|--------|-----|---|------|
| MACH | = | 1.206 | ALPHA | = | -2.000 | X/C | = | .500 |
|------|---|-------|-------|---|--------|-----|---|------|

DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1A58 [C1F1N2(1)+FILLET] - [C1F1] UPPER WING**
1A58 [C1F1N2(1)+FILLET] - [C1F1] LOWER WING BETA: **.000**

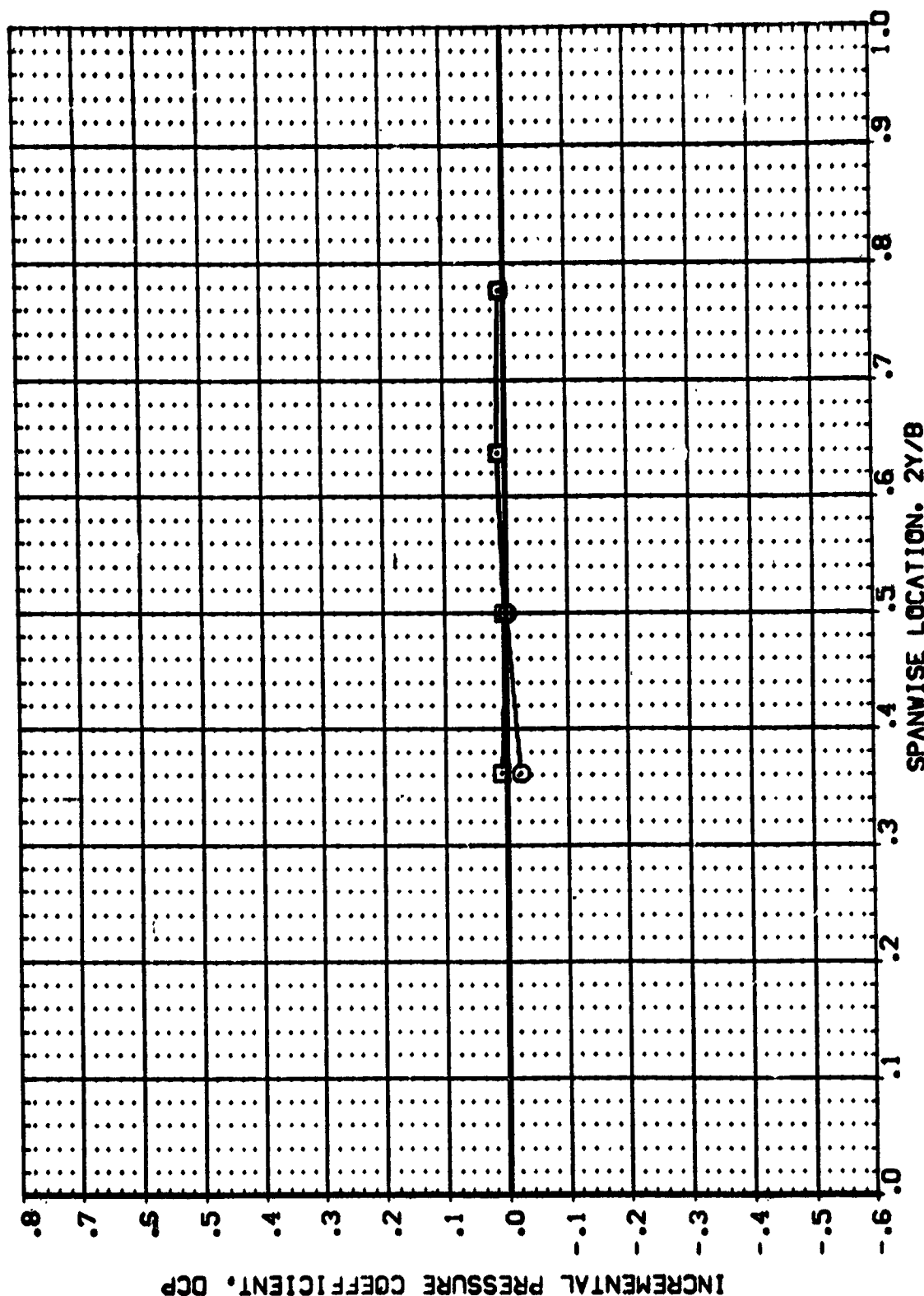


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.206 ALPHA = 3.850 X/C = .500

BETA **000**

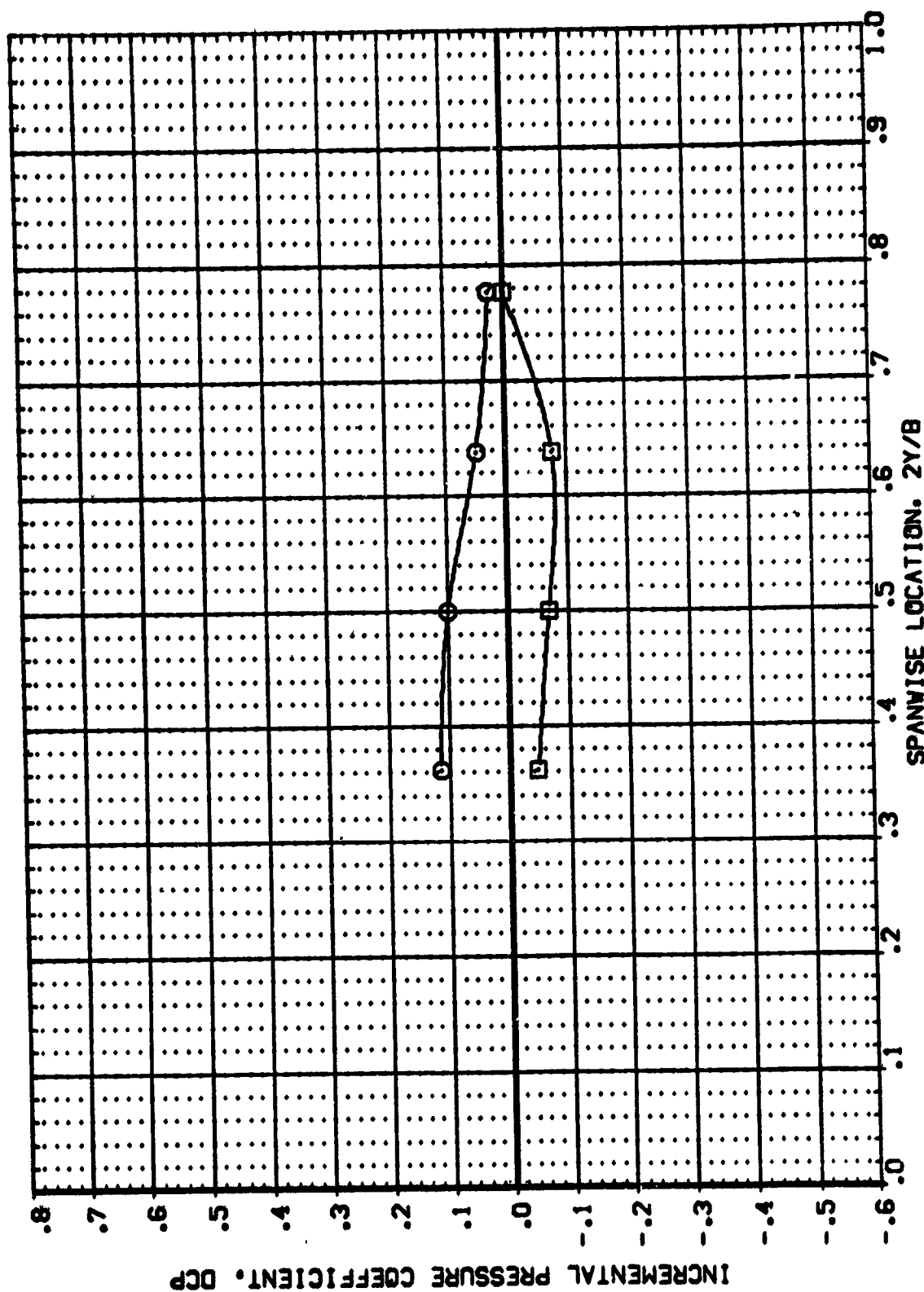


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

FIG 10 JINOT DIFFERENTIAL WIND PRESSURE COEFFICIENTS

| MACH = | 1.503 | ALPHA = | -3.850 | X/C = | .500 | |
|--------|-------|---------|--------|-------|------|-----|
| | | | | | PAGE | 145 |

BETA
.000
.000

DATA SET SYMB. CONFIGURATION DESCRIPTION
[AF4L07] 1A68 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING
[AF4L07] 1A68 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING

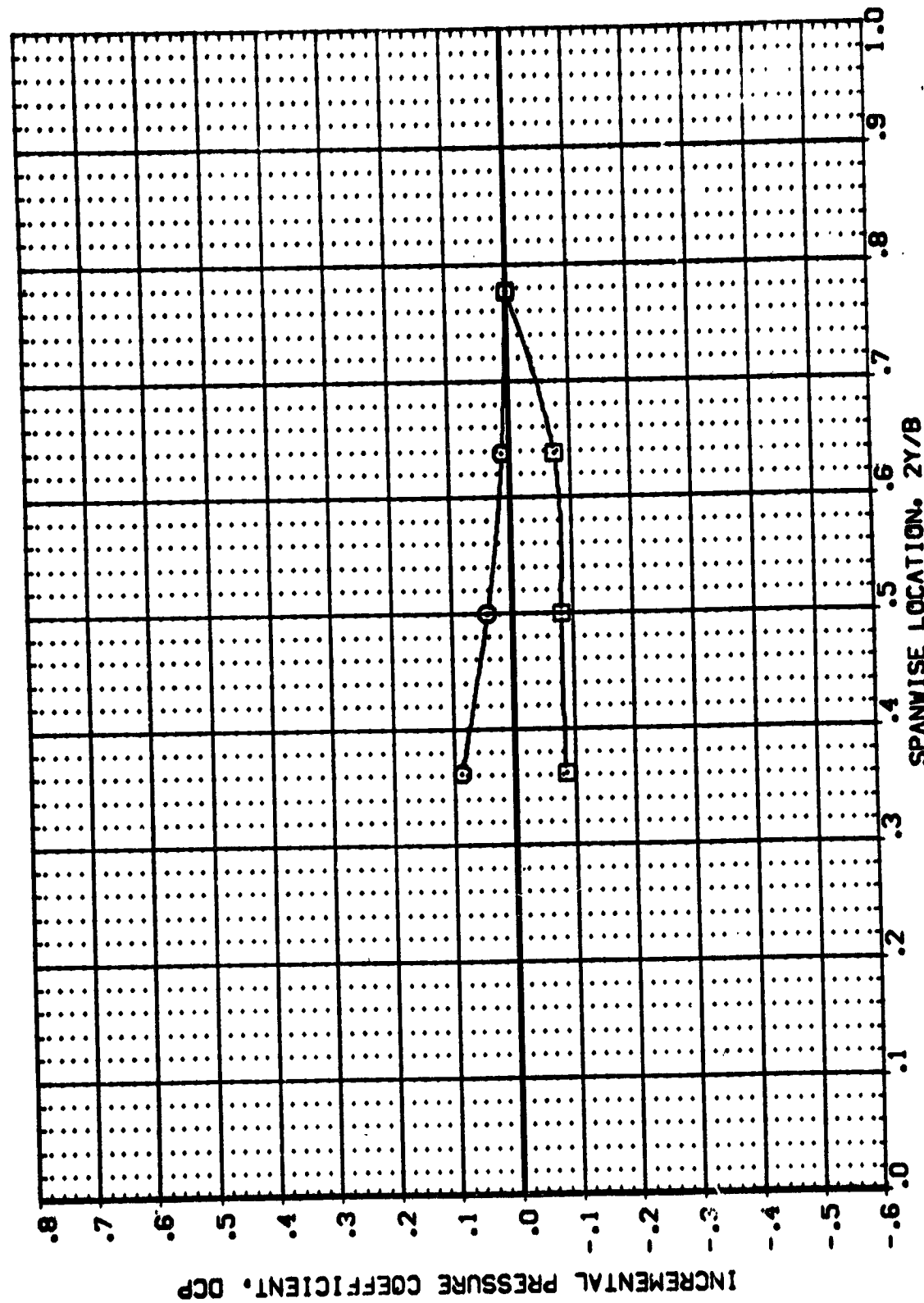


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = .010 X/C = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA

[AF4L07] [AF4L07] 1A58 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING .000

[AF4L07] [AF4L07] 1A58 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING .000

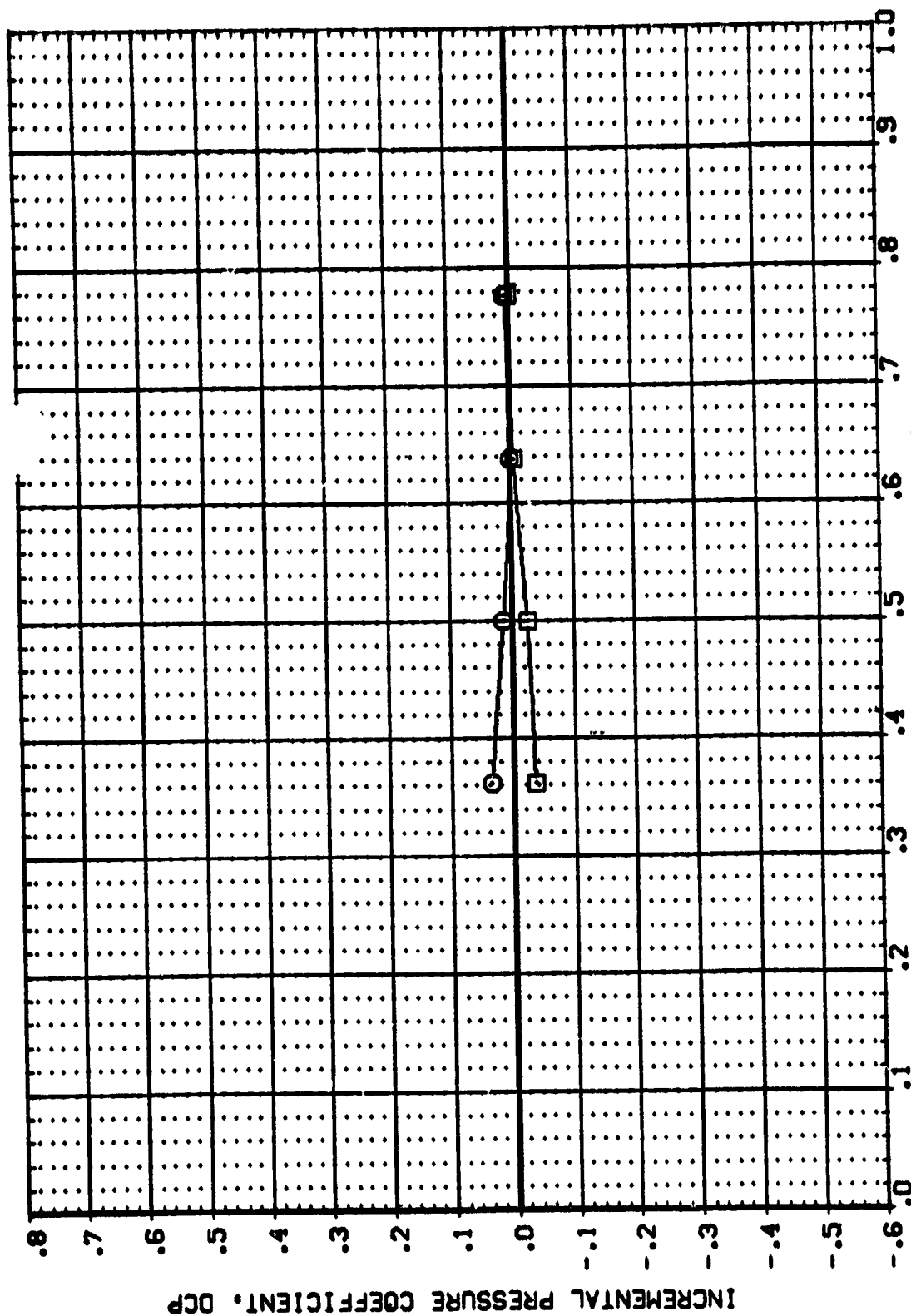
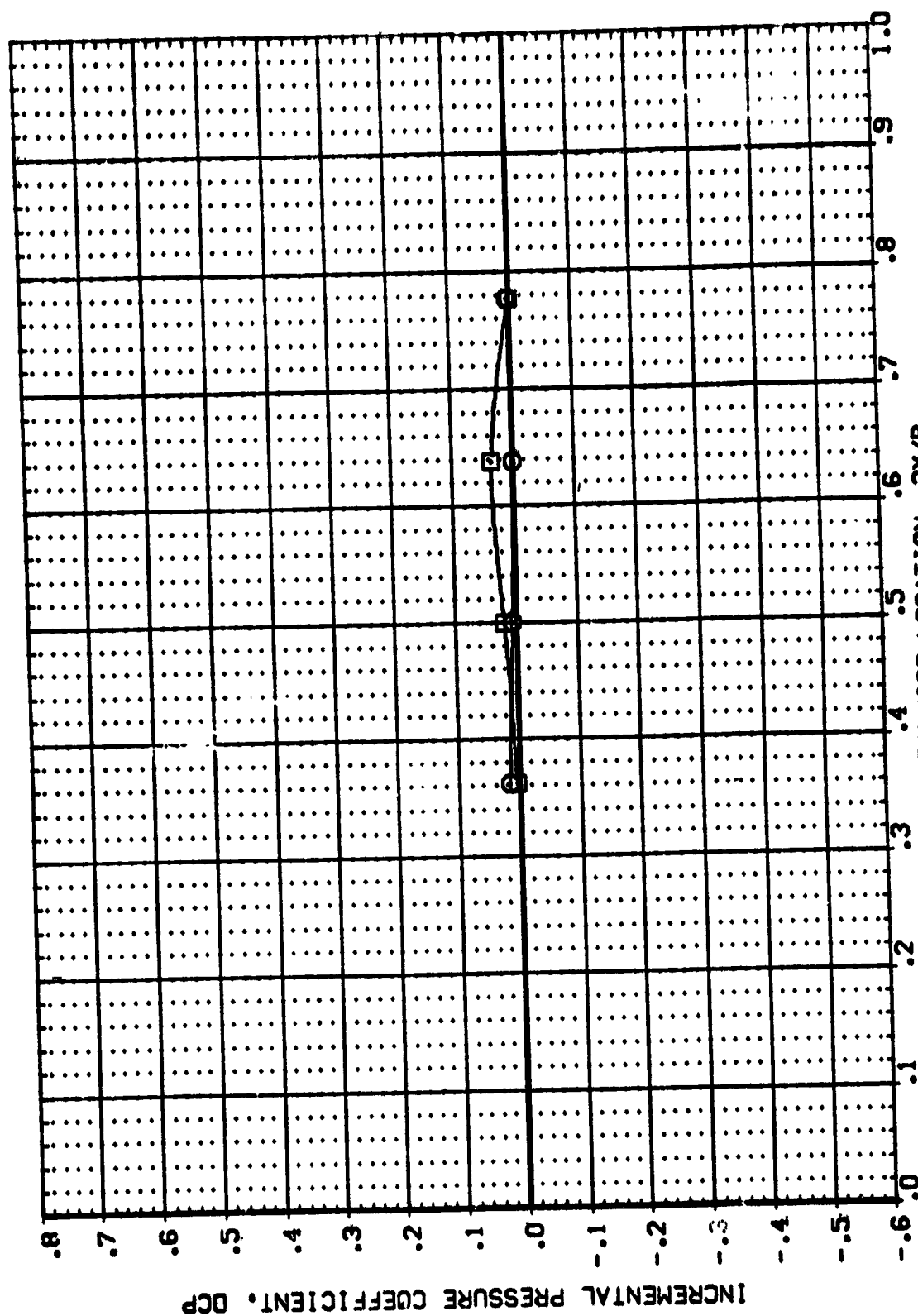


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 1.940 X/C = .500

DATA SET SYMB. **9** CONFIGURATION DESCRIPTION **BETA**
 {AF4U07} 1A5B {C1F1M2{1}}+FILLET) - {C1F1} UPPER VING .000
 {AF4U07} 1A5B {C1F1M2{1}}+FILLET) - {C1F1} LOWER VING .000



SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 3.810 X/C = .500

DATA SET SYMBOL: [AF4U07] [AF4U07] CONFIGURATION DESCRIPTION: 1A68 [C1F1M2(1)+FILLET] - [C1F1] UPPER WING BETA: .000
 1A68 [C1F1M2(1)+FILLET] - [C1F1] LOWER WING .000

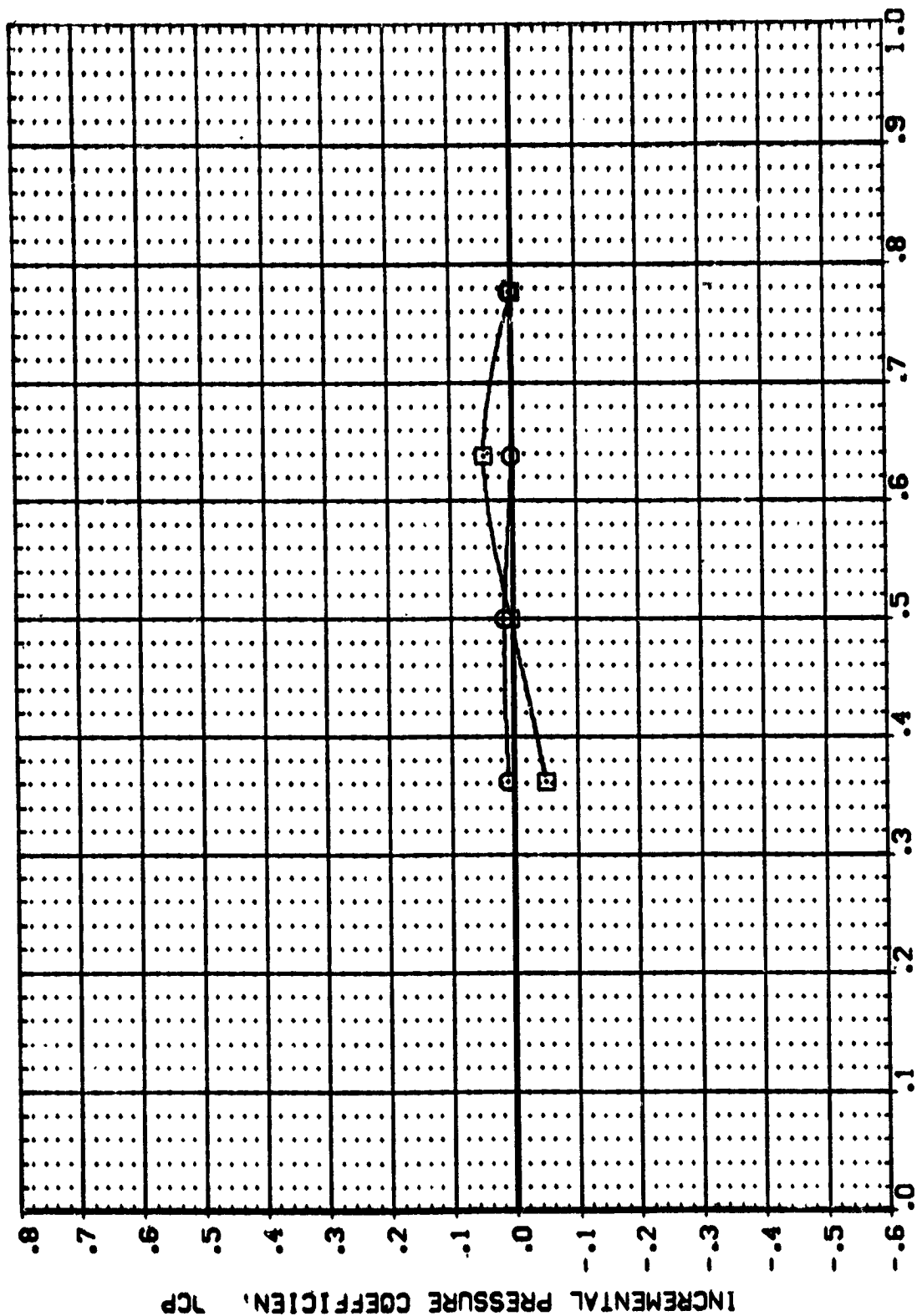


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -1.900 X/C = .500

DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: **1A68 (C1F1) UPPER WING** **1A68 (C1F1) LOWER WING** **BETA .000**

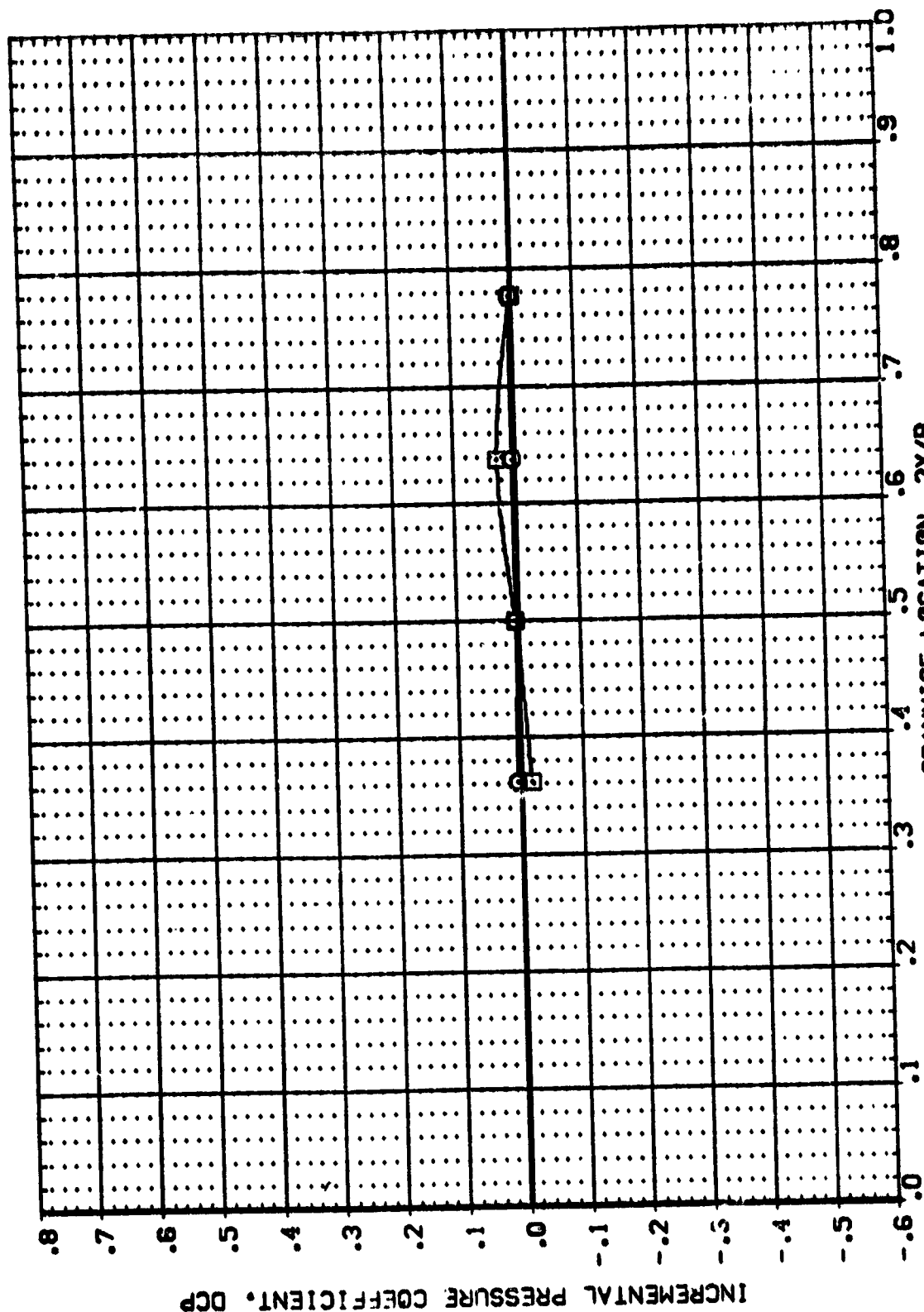


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = .100 X/C = .500



BETA
.000

DATA SET SYMBOL: 8
 CONFIGURATION DESCRIPTION:
 1A68 (CIF1P2(1)+FILLET) - (CIF1) UPPER VING
 1A68 (CIF1P2(1)+FILLET) - (CIF1) LOWER VING

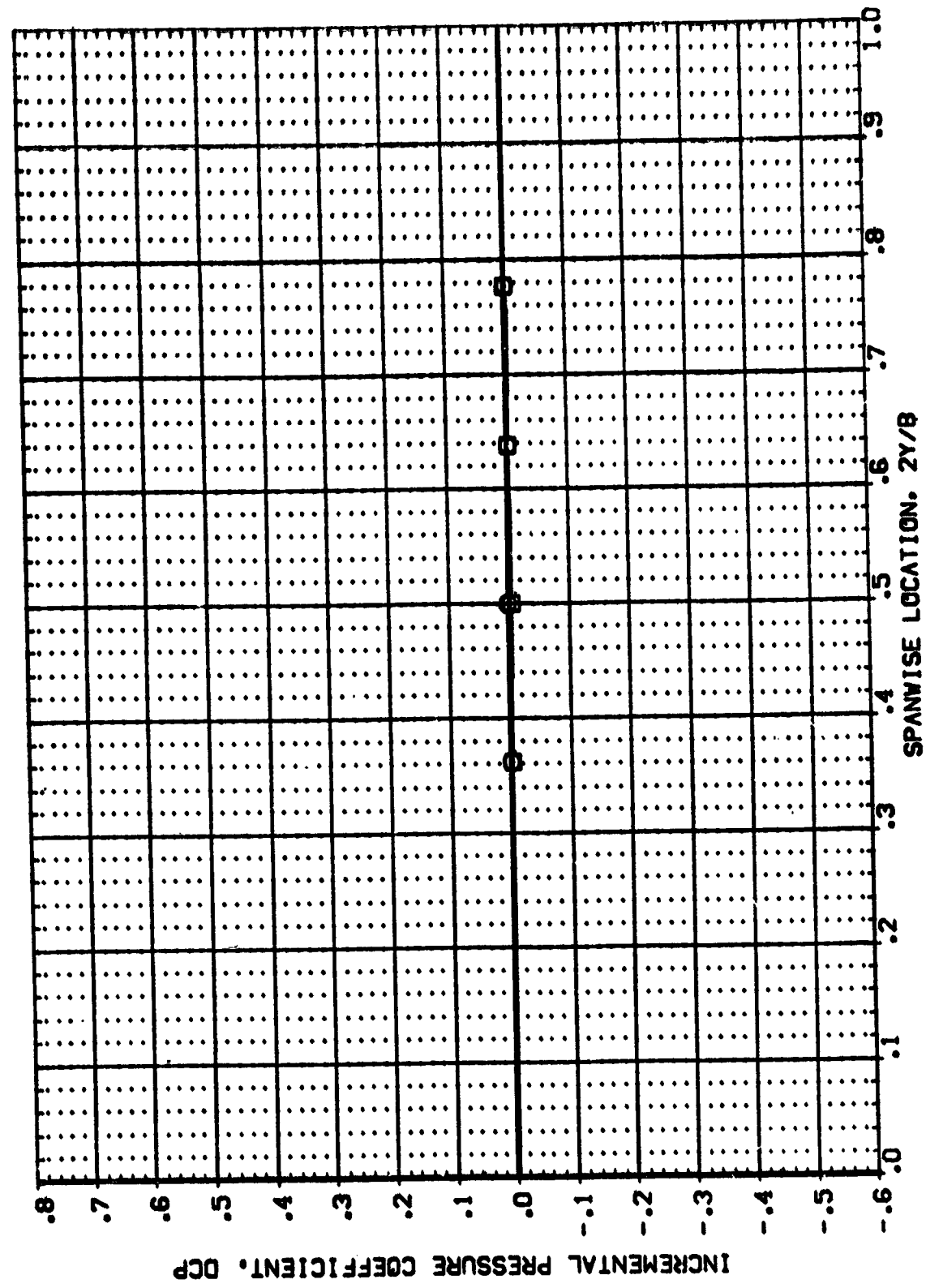


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 2.120 X/C = .500 PAGE 151

BETA
.000
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
{AF4L07} Q {AGB (C1F1M2{1})+FILLET) - (C1F1) UPPER WING
{AF4L07} {AGB (C1F1M2{1})+FILLET) - (C1F1) LOWER WING

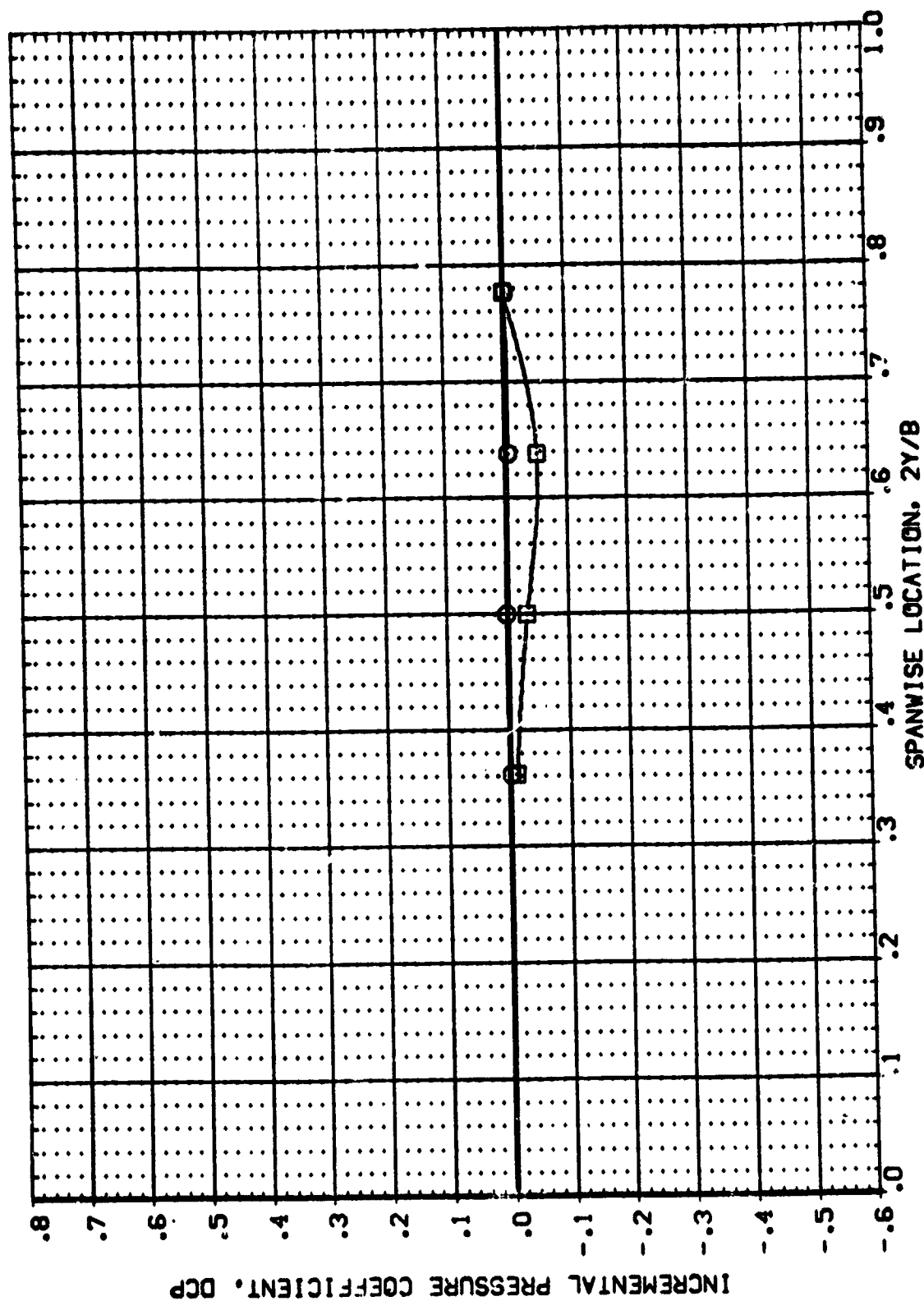


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 4.070 X/C = .500 PAGE :52



DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION

IA68 (**CIF1M311**) **IM4(11)** } - (**CIF1**) **UPPER VING**
IA68 (**CIF1M311**) **IM4(11)** } - (**CIF1**) **LOWER VING**

BETA
.000
.000

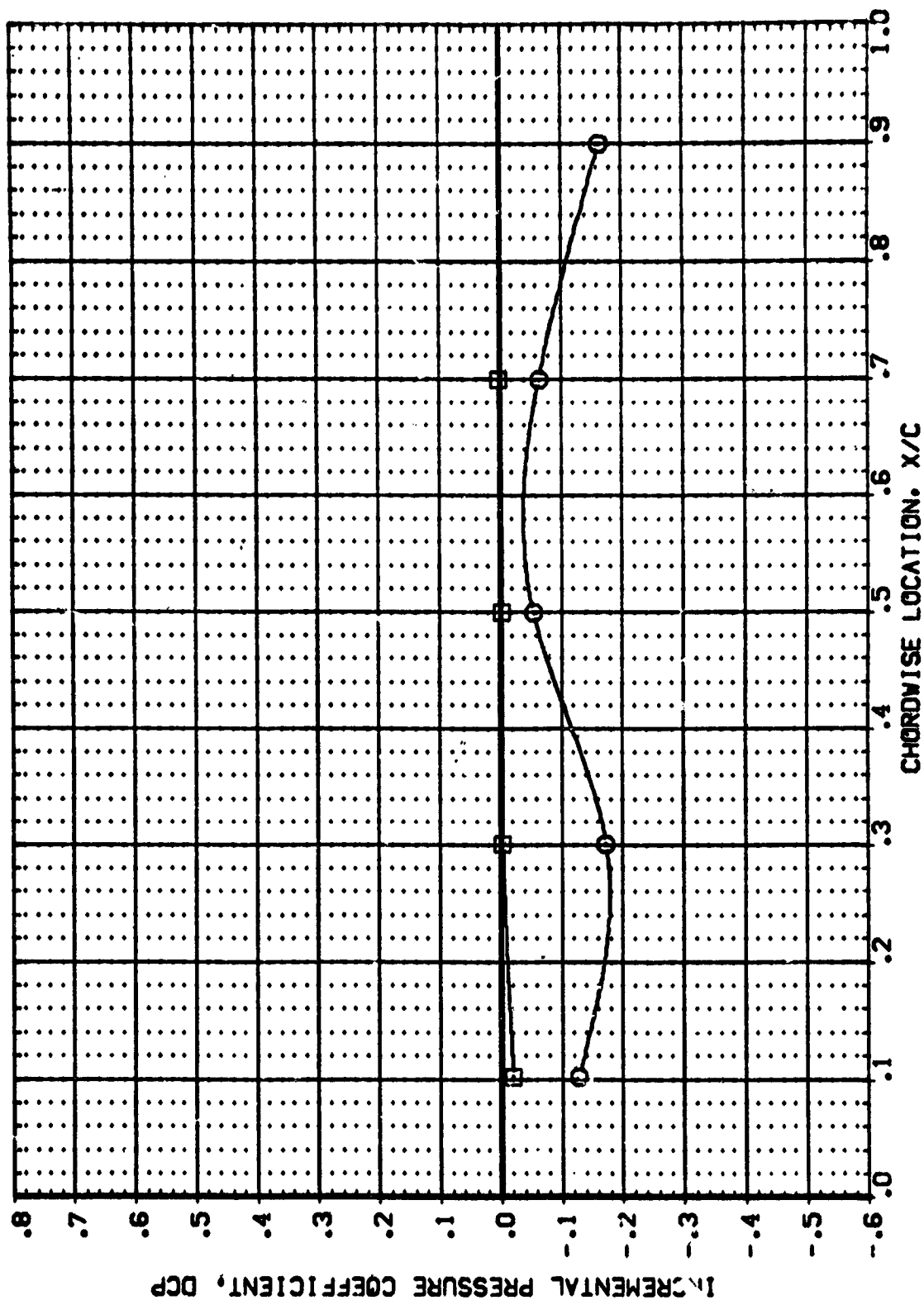


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -3.900 2Y/B = .500

DATA SET SYMBOL: ☐ 1A68 { C1F1M311}MA111 } - (C1F1) UPPER WING
 { AF4L08 } 1A68 { C1F1M311}MA111 } - (C1F1) LOWER WING

BETA
 .000
 .000

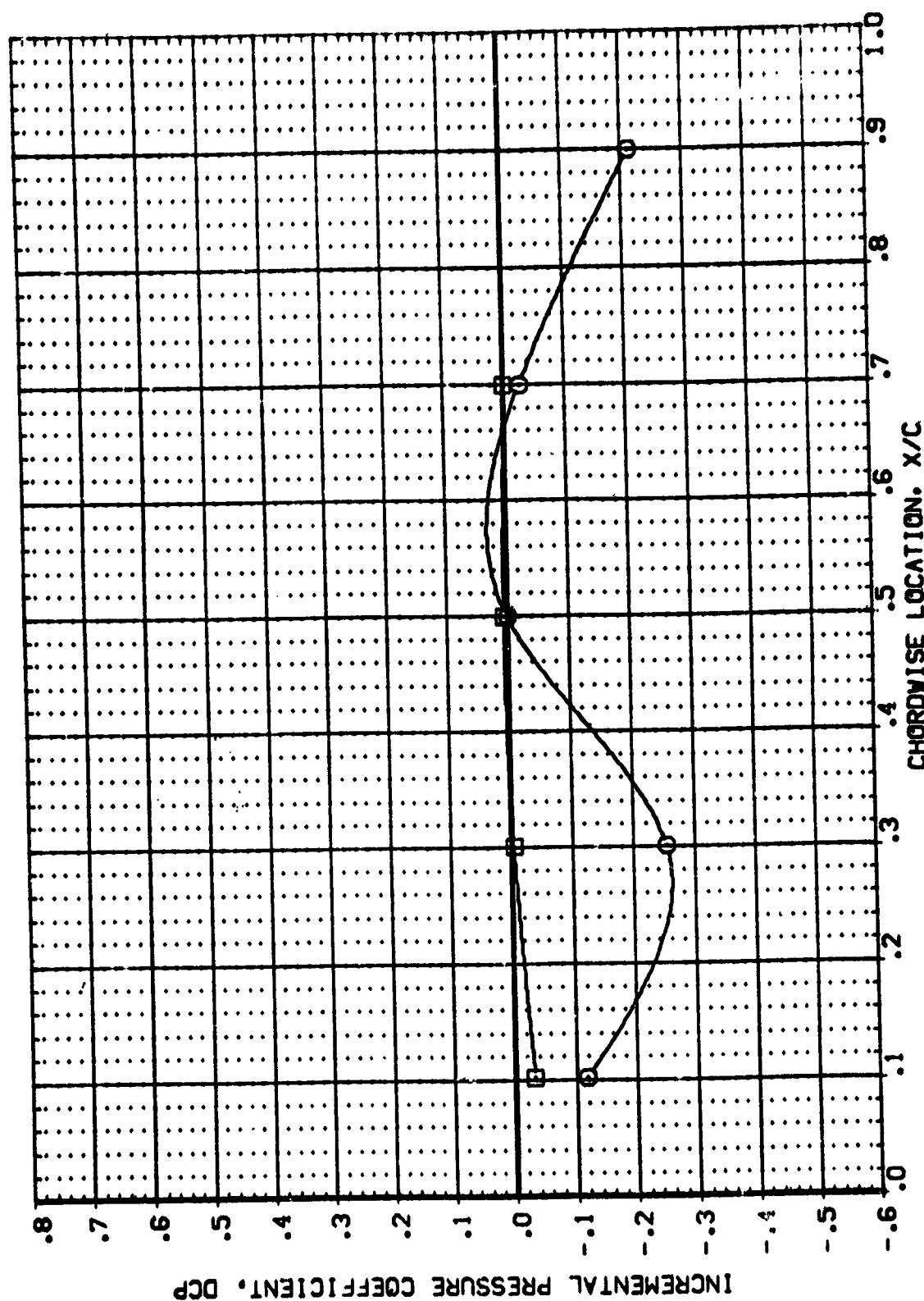


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -1.940 2Y/B = .500 PAGE 154



DATA SET SYMBOL CONFIGURATION DESCRIPTION BETA

[AF4LOS] [AEB { C1F1G(1)M(1) } - {C1F1} UPPER WING] .000

[AF4LOS] [AEB { C1F1G(1)M(1) } - {C1F1} LOWER WING] .000

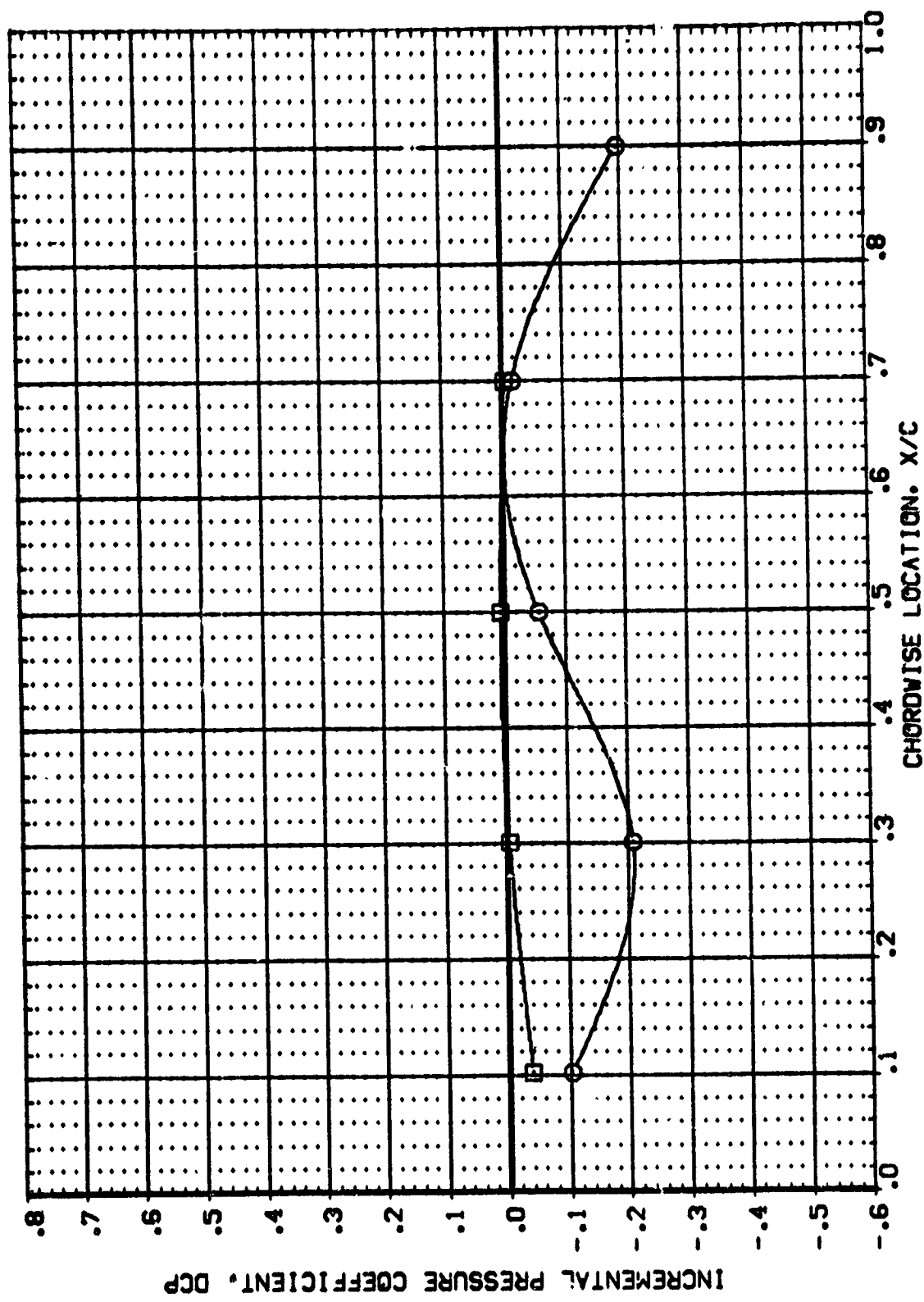


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = .000 2Y/B = .500 PAGE :55

DATA SET SYMBOL: Q CONFIGURATION DESCRIPTION: BETA .000 .000
 {AFALOS} {AFALOS} {C1F1NG{1M{1}} - {C1F1} UPPER WING
 {AFALOS} {AFALOS} {C1F1NG{1M{1}} - {C1F1} LOWER WING

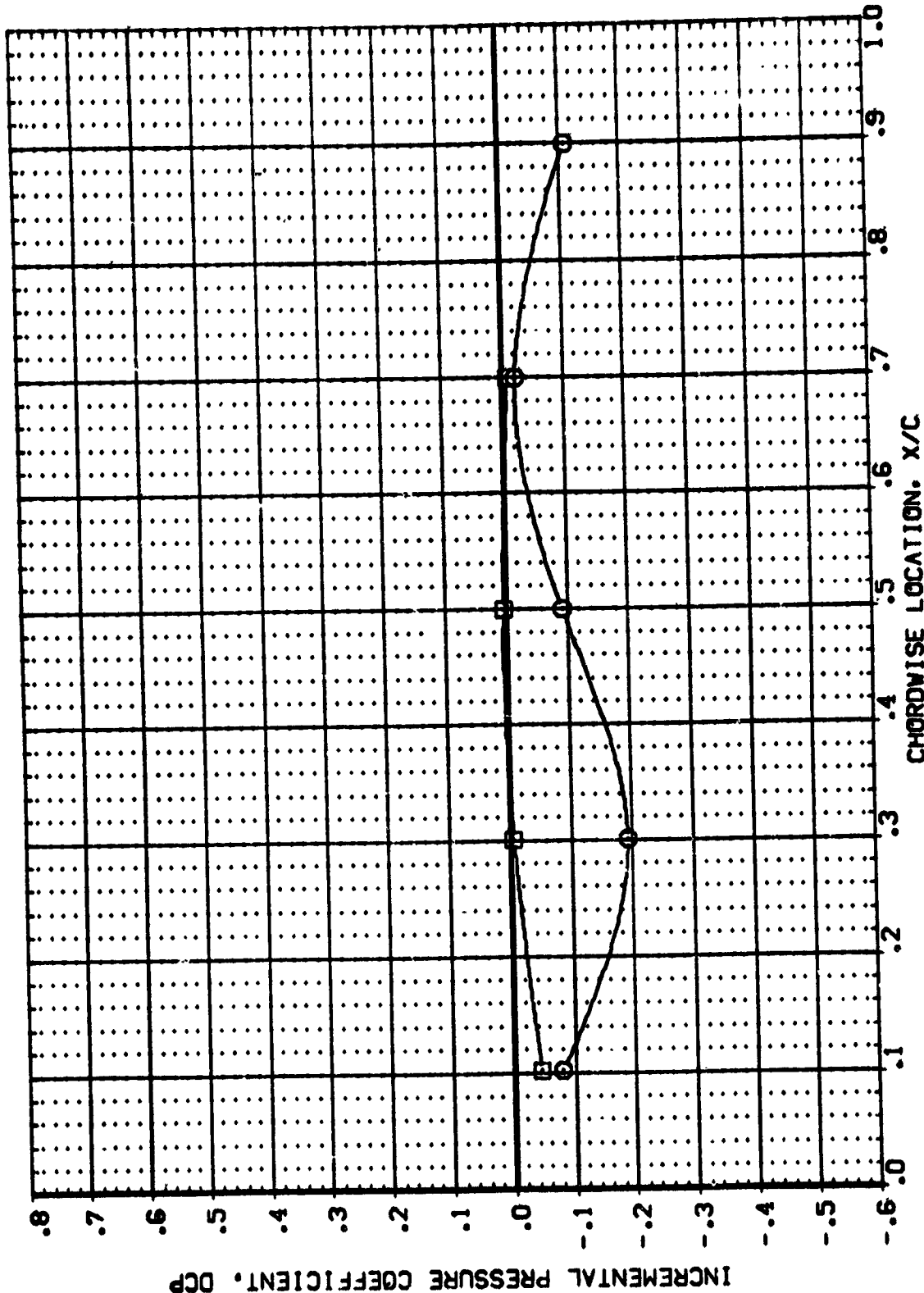


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 1.910 2Y/B = .500 PAGE 156



| | Q | |
|---|--|--|
| 1 | 1AGB (CIFM3(1)M4(1)) - (CIF1) UPPER VING | |
| 2 | 1AGB (CIFM3(1)M4(1)) - (CIF1) LOWER VING | |

BETA
000.
000.

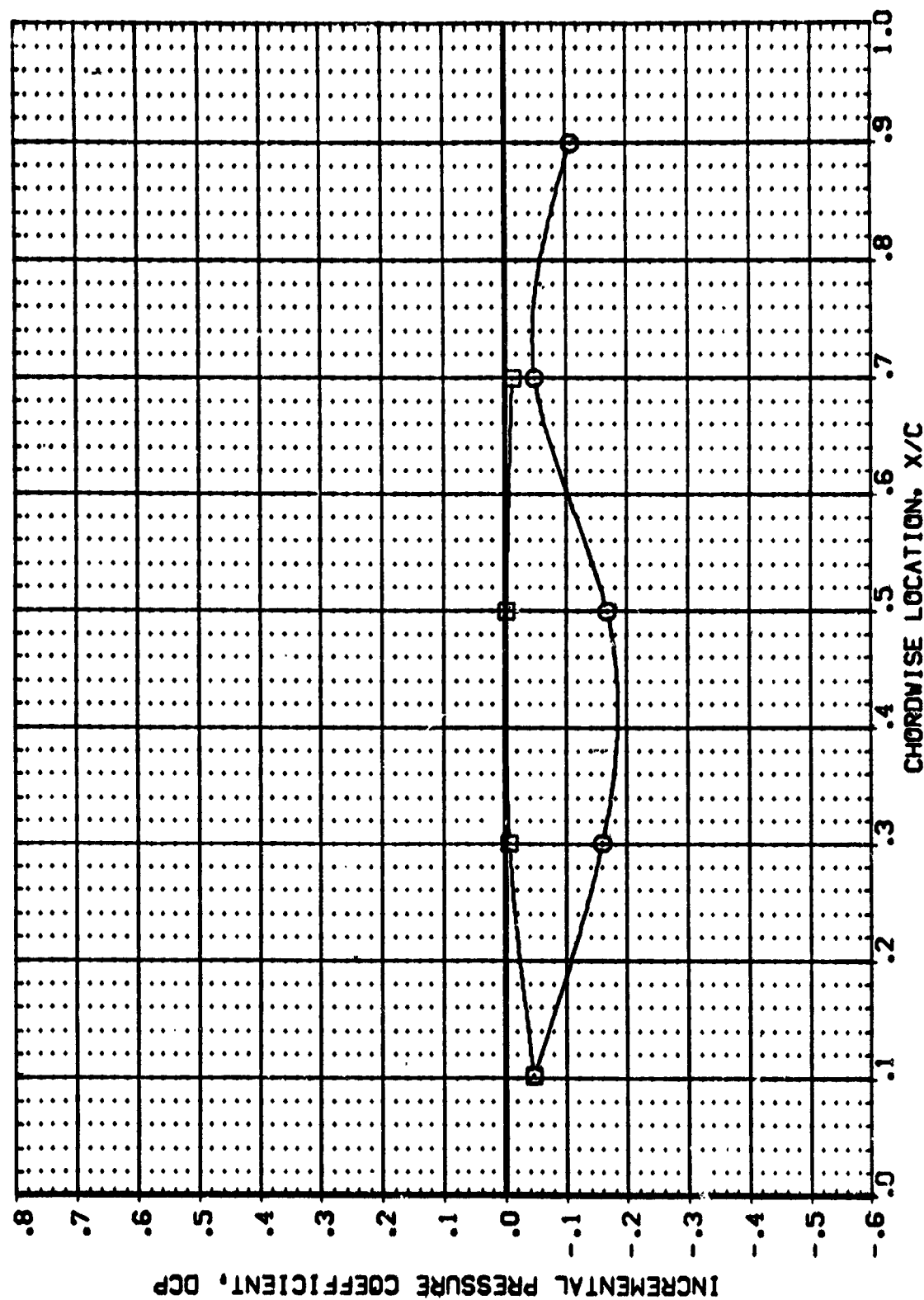


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 3.840 2Y/B = .500 PAGE :57

BETA
.000
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
[AFALOS] Q 1AG8 { C1F1G(1)M(1) } - { C1F1 } US: ER VING
[AFALOS] 1AG8 { C1F1G(1)M(1) } - { C1F1 } LOWER VING

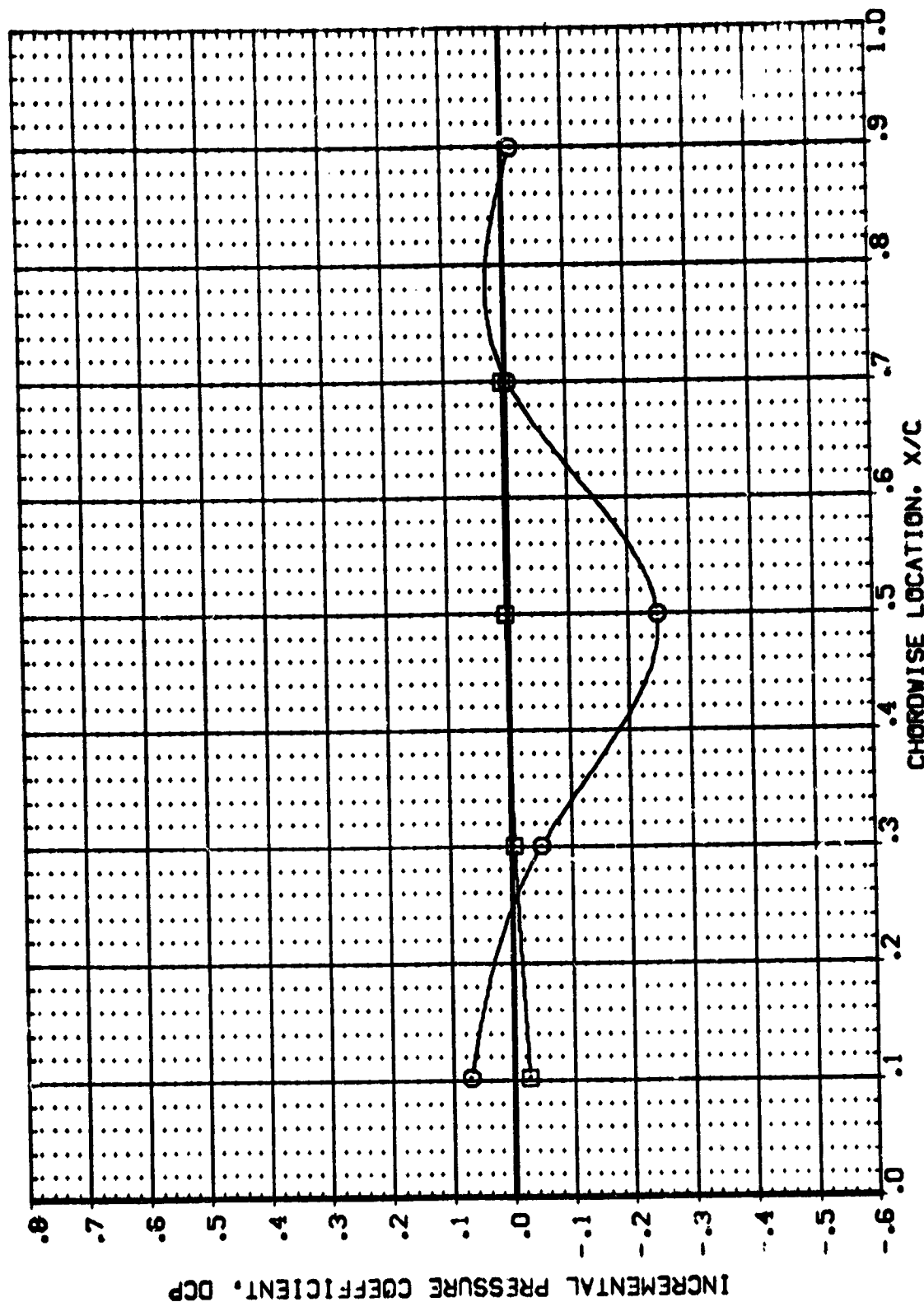


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.209 ALPHA = -3.940 2Y/B = .500



| DATA SET SYMBOL | CONFIGURATION DESCRIPTION |
|-----------------|-----------------------------|
| [AF4J09] | IAGB (C1F1M3(1)M4(1)) - (|
| [AF4J09] | IAGB (C1F1M3(1)M4(1)) - (|

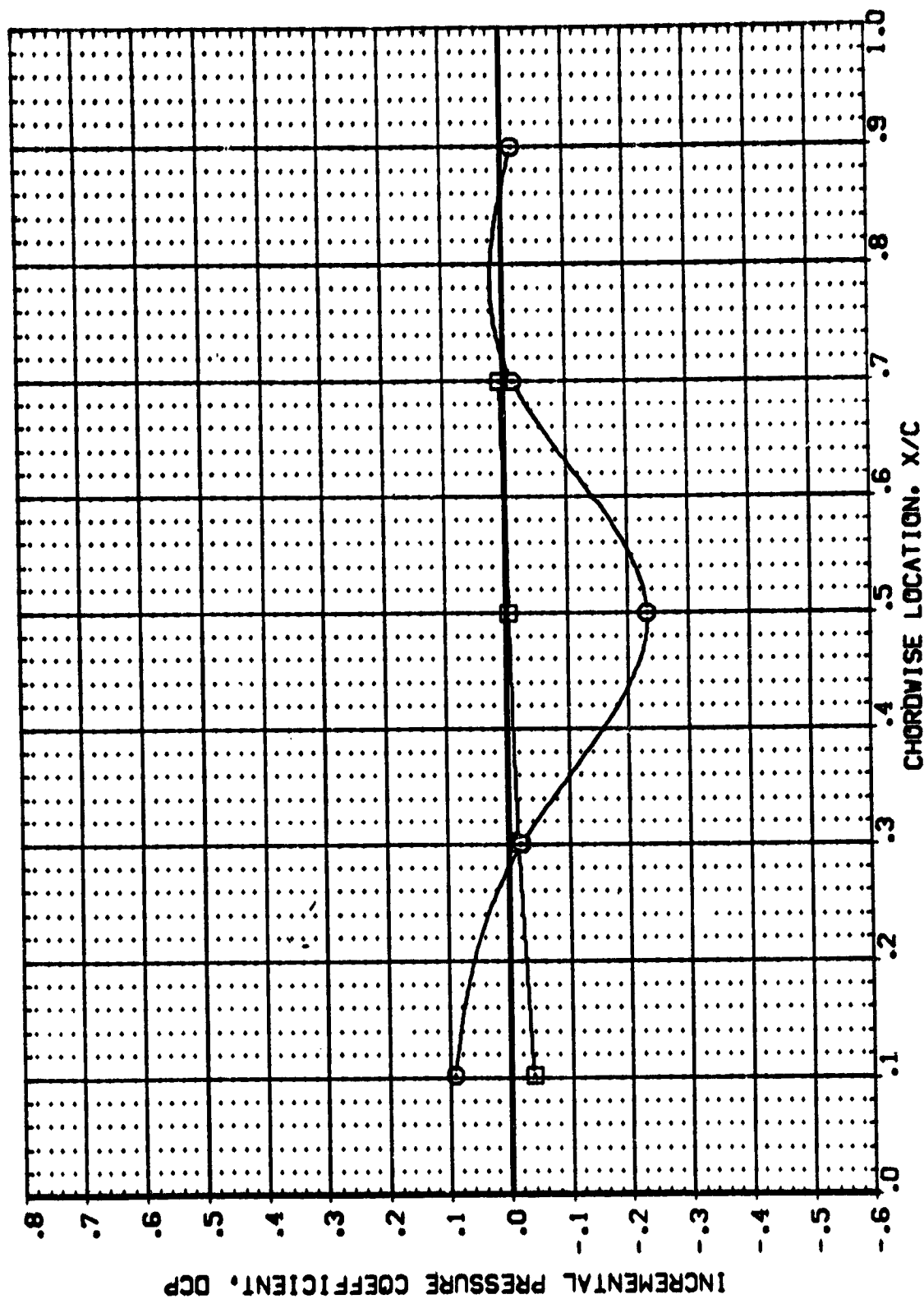


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

$$\text{MAC}_{\text{H}} = 1.209 \quad \text{ALPHA} = -1.960 \quad 2Y/B = .500$$

DATA SET SYMBOL: 9
 [AF409] [AF409]
 [AGB { C1F1M3(1)M4(1) } - (C1F1) UPPER WING
 [AGB { C1F1M3(1)M4(1) } - (C1F1) LOWER WING
 BETA .000 .000

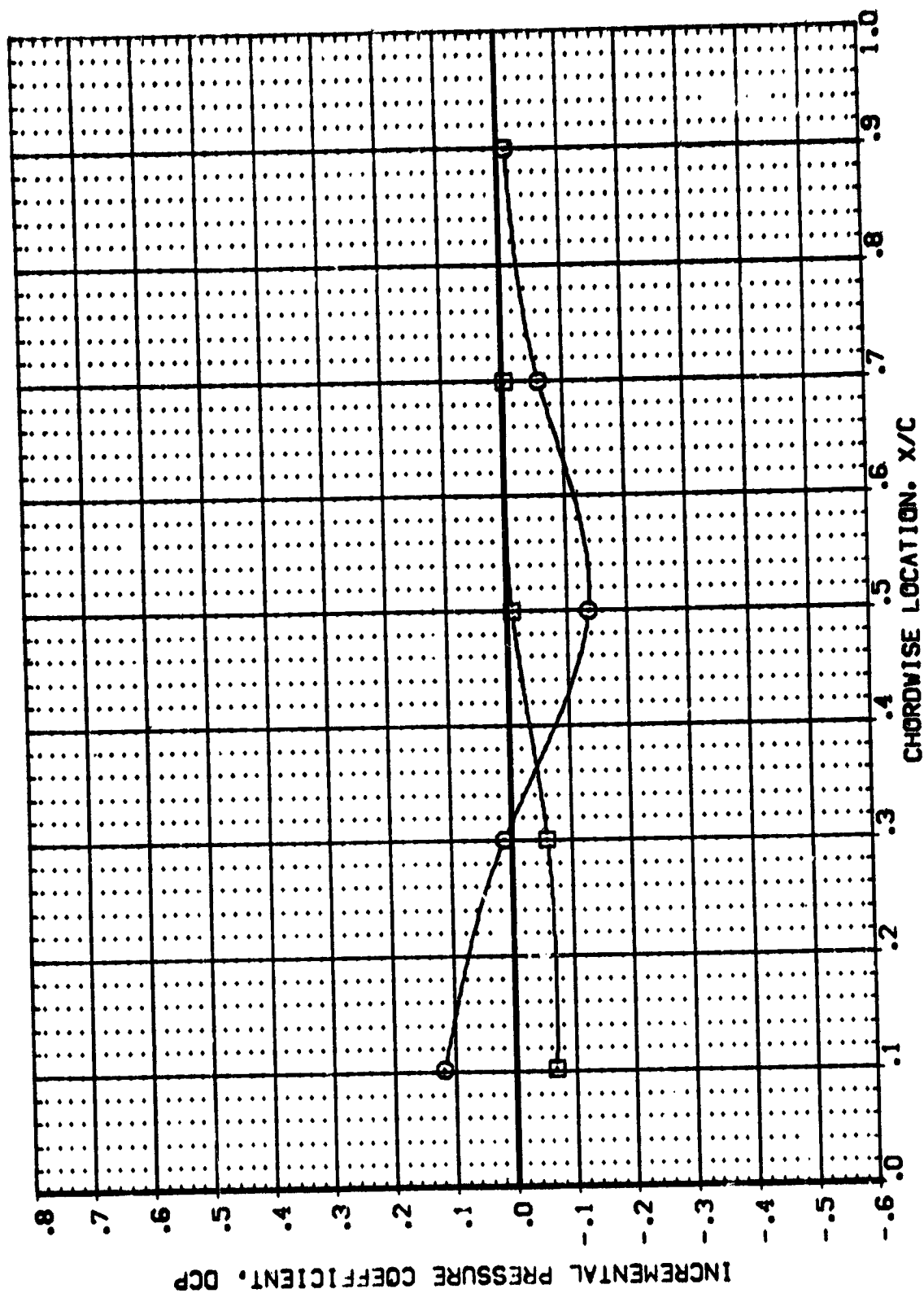


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.209 ALPHA = -0.030 2Y/B = .500 PAGE 160



BETA
.000
.000

DATA SET SYMB. CONFIGURATION DESCRIPTION
[AF4UDS] 9 IASB { CIP:PGI:PM(1) } - { CIP:PGI:PM(1) } UPPER WING
[AF4UDS] IASB { CIP:PGI:PM(1) } - { CIP:PGI:PM(1) } LOWER WING

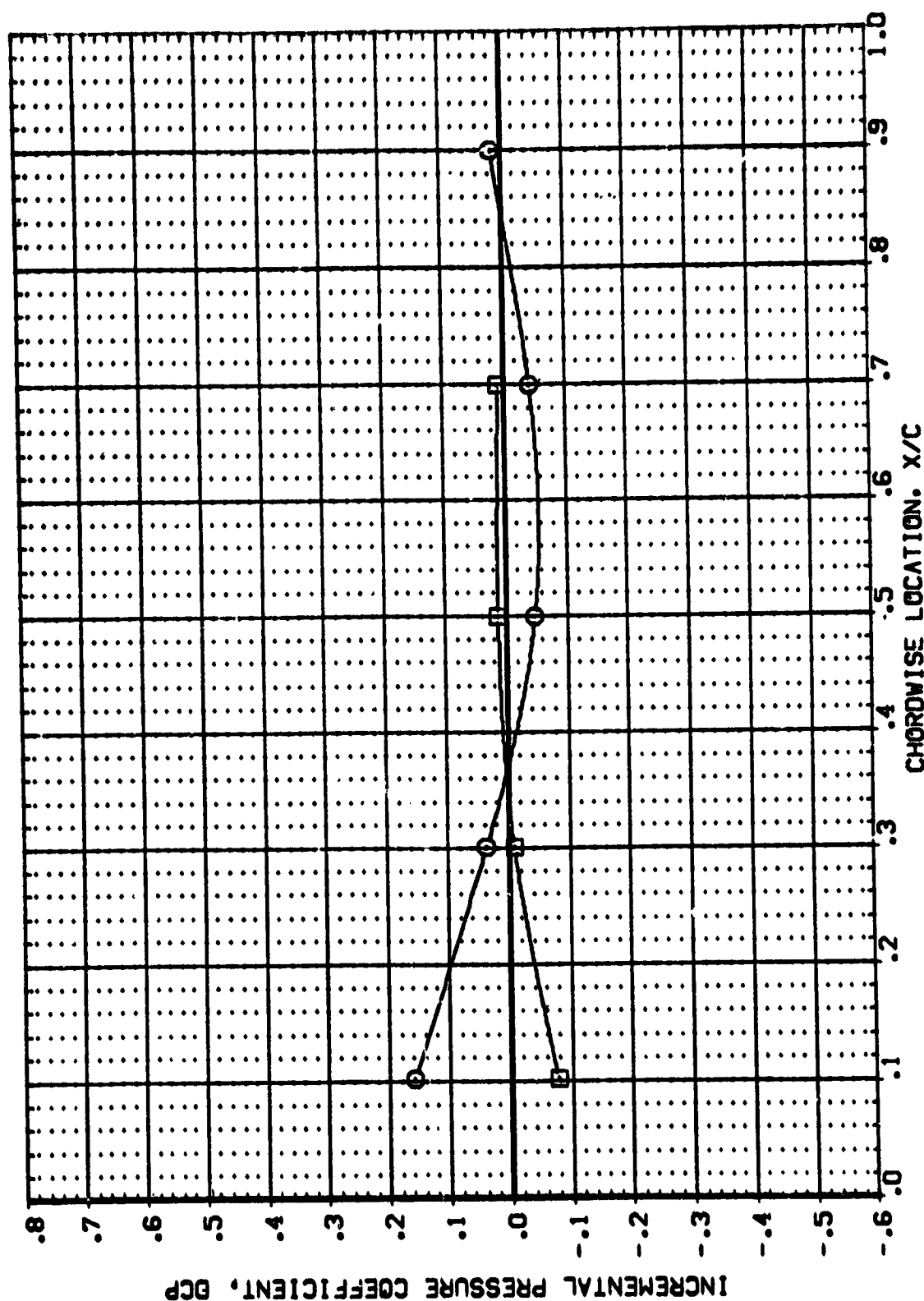
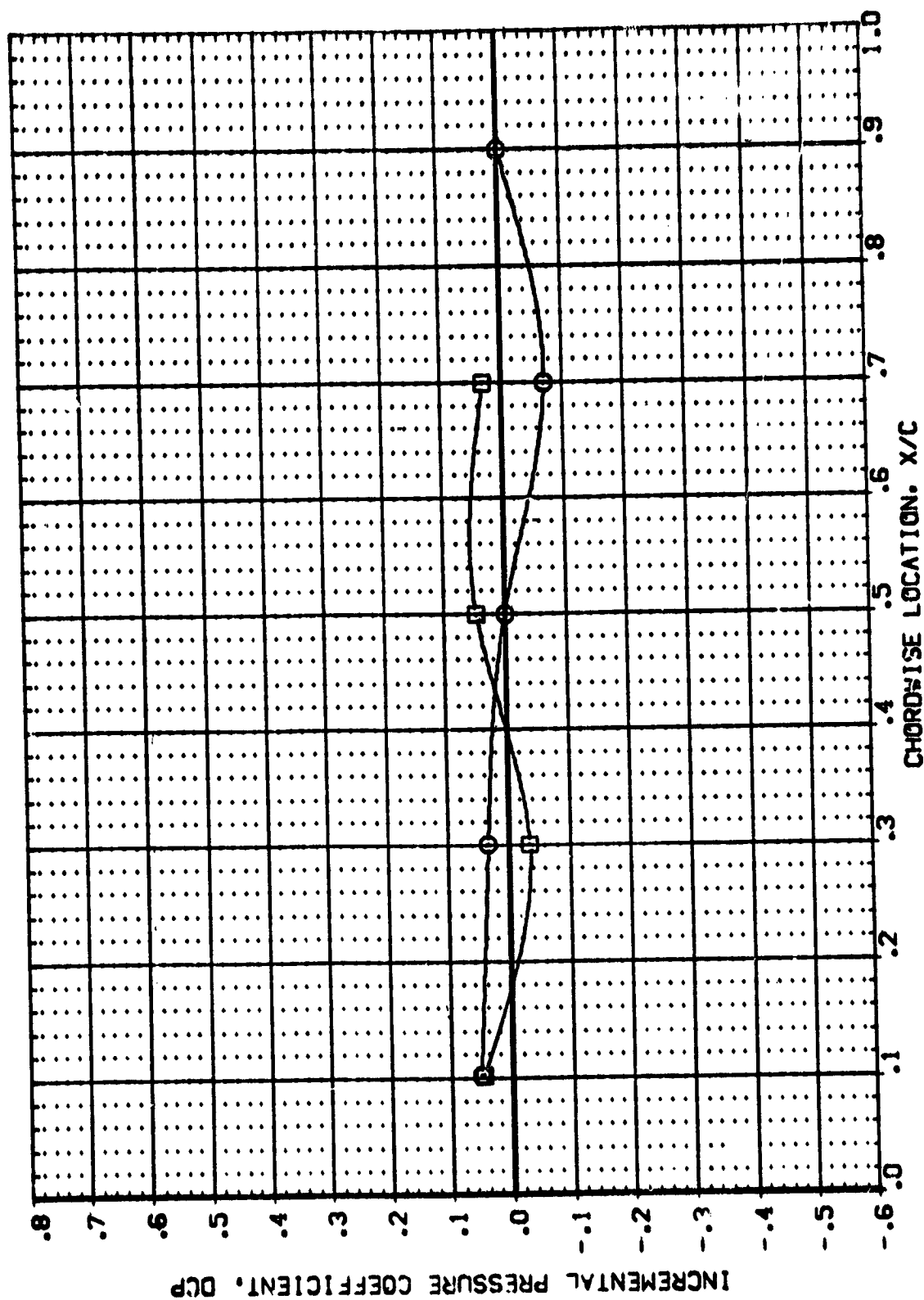


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.209 ALPHA = 3.880 2Y/B = .500 PAGE 16:

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | BETA |
|-----------------|---|------|
| [AF4LOS] | IASB (C1FING11M411) - (C1F1) UPPER VING | .000 |
| [AF4LOS] | IASB (C1FING11M411) - (C1F1) LOWER VING | .000 |



ETC 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

$$\text{MACH} = 1.503 \quad \text{ALPHA} = -3.890 \quad 2Y/B = .500$$

PAGE 162

DATA SET SYMBOL: 9
 [AF4L08] IAGB { C1F1M311JH11 } - { C1F11 } UPPER WING
 [AF4L08] IAGB { C1F1M311JH11 } - { C1F11 } LOWER WING

BETA
 .000
 .000

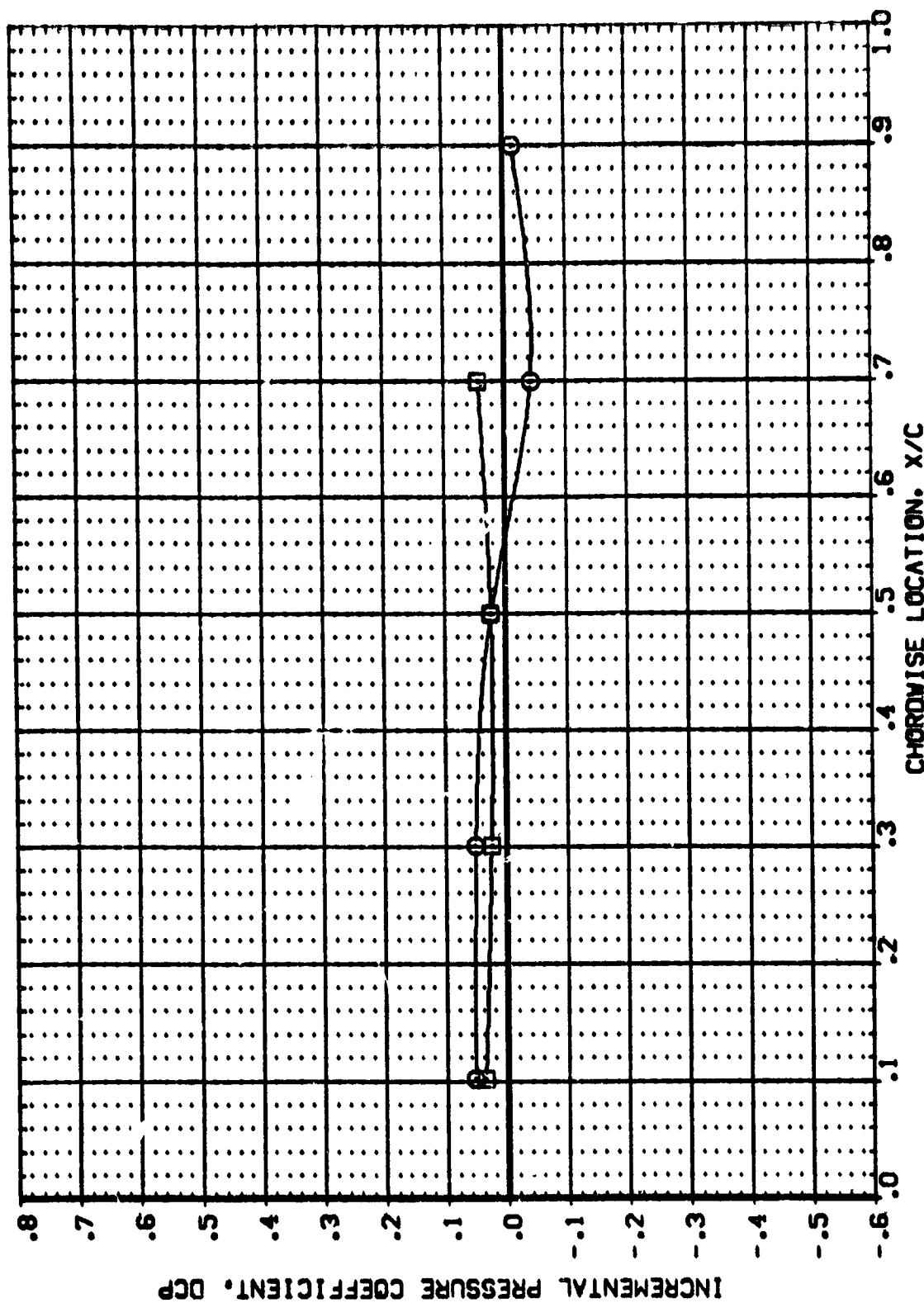


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -1.820 2Y/B = .500

DATA SET SYMBOL: [Q] IASB { CIP1P3(1)M4(1) } - (CIP1) UPPER WING
 [AF4LOS] IASB { CIP1P3(1)M4(1) } - (CIP1) LOWER WING

BETA

.000
 .000

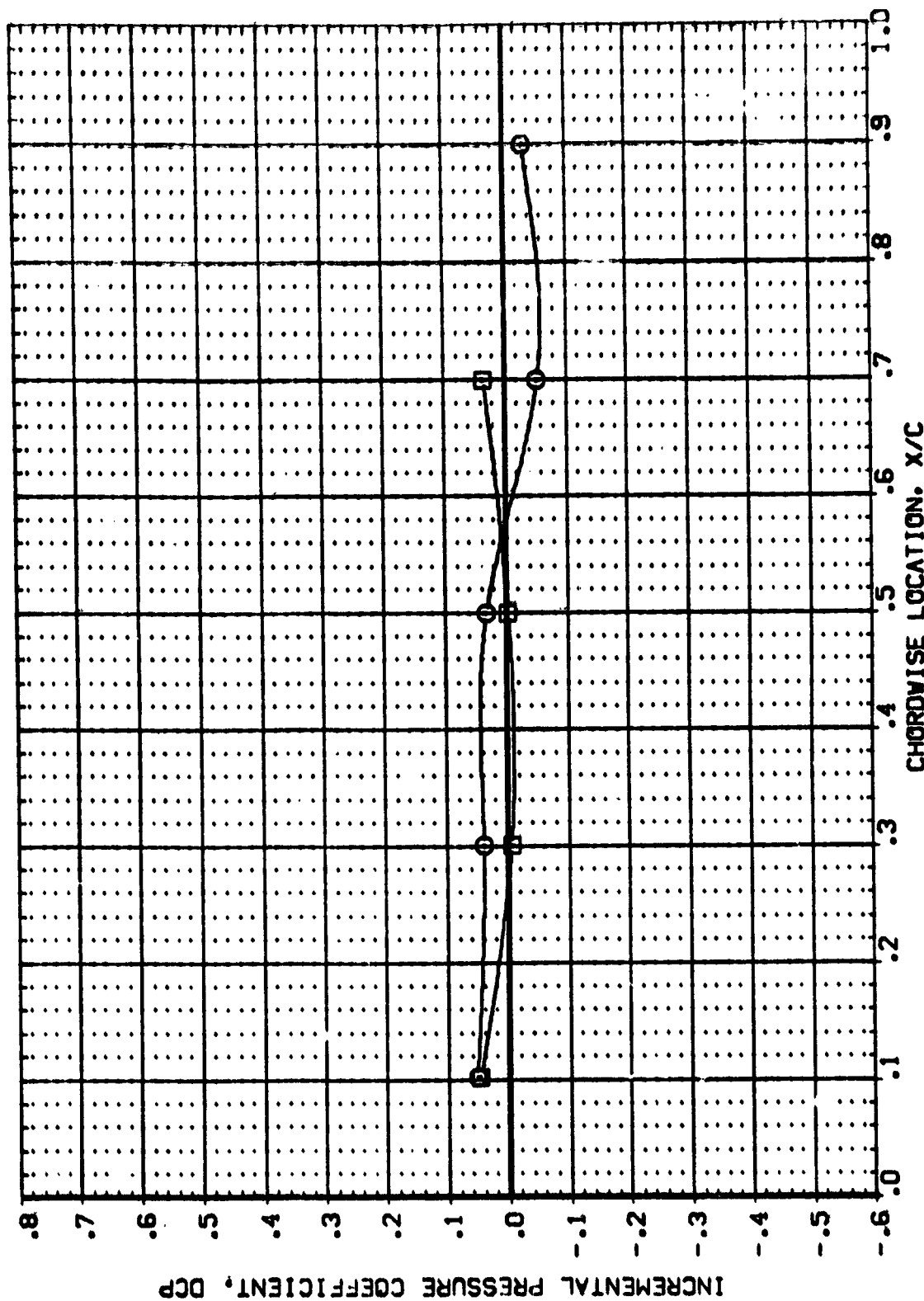


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = .120 2Y/B = .500



DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA
 {AF4LOS} 9 1A88 { C1F1N3(1)M4(1) } - {C1F1} UPPER WING .000
 {AF4LOS} 9 1A88 { C1F1P3(1)M4(1) } - {C1F1} LOWER WING .000

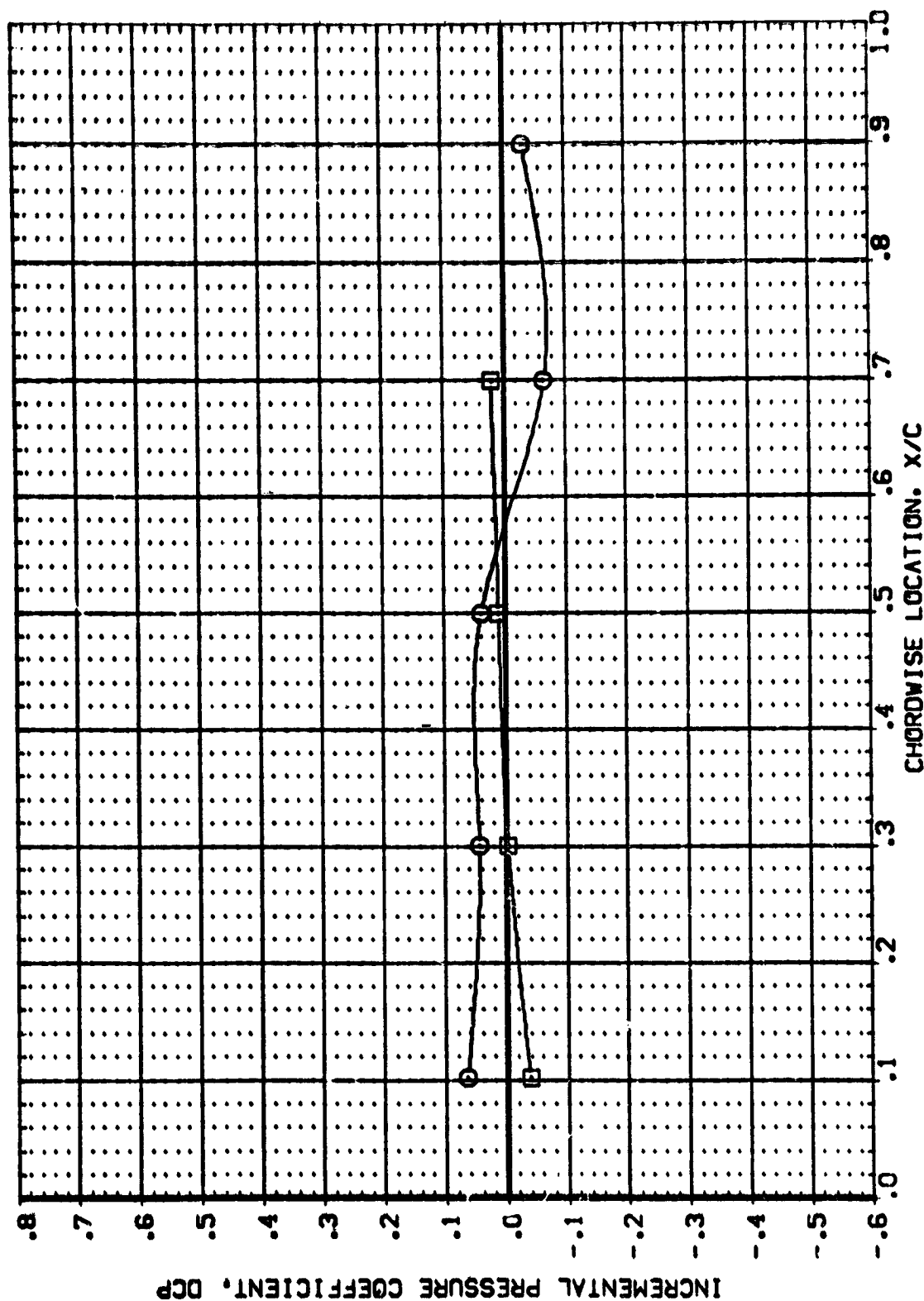


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 2.120 2Y/B = .500

| CONFIGURATION | DESCRIPTION |
|-------------------------|---------------------|
| IA68 (C1F1P3(1)M4(1)) | - (C1F1) UPPER WING |
| IA68 (C1F1P3(1)M4(1)) | - (C1F1) LOWER WING |

BETA
000.000

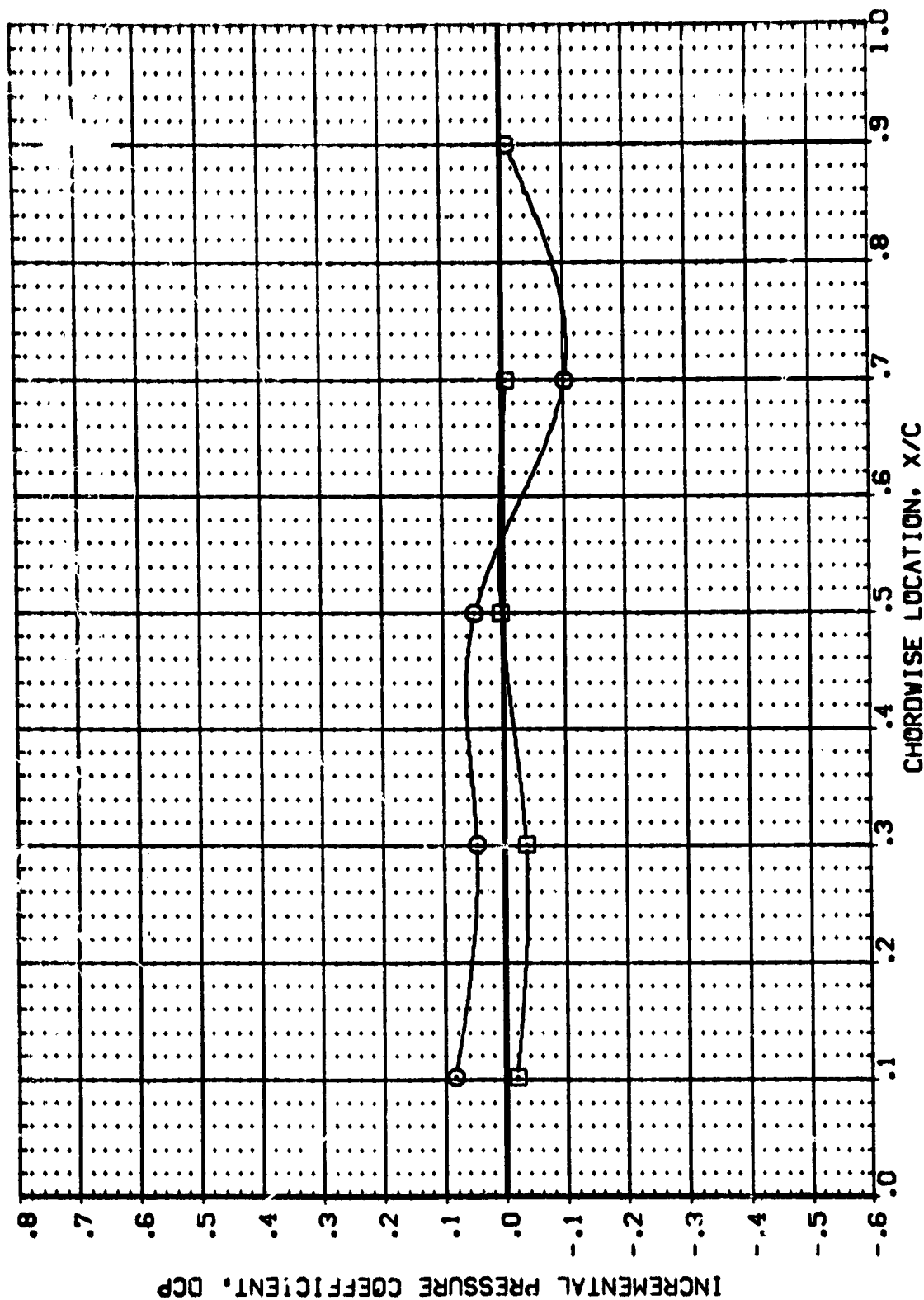


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

$$\text{MACH} = 1.503 \quad \text{ALPHA} = 4.030 \quad 2Y/B = .500$$

PAGE 39



BETA 000

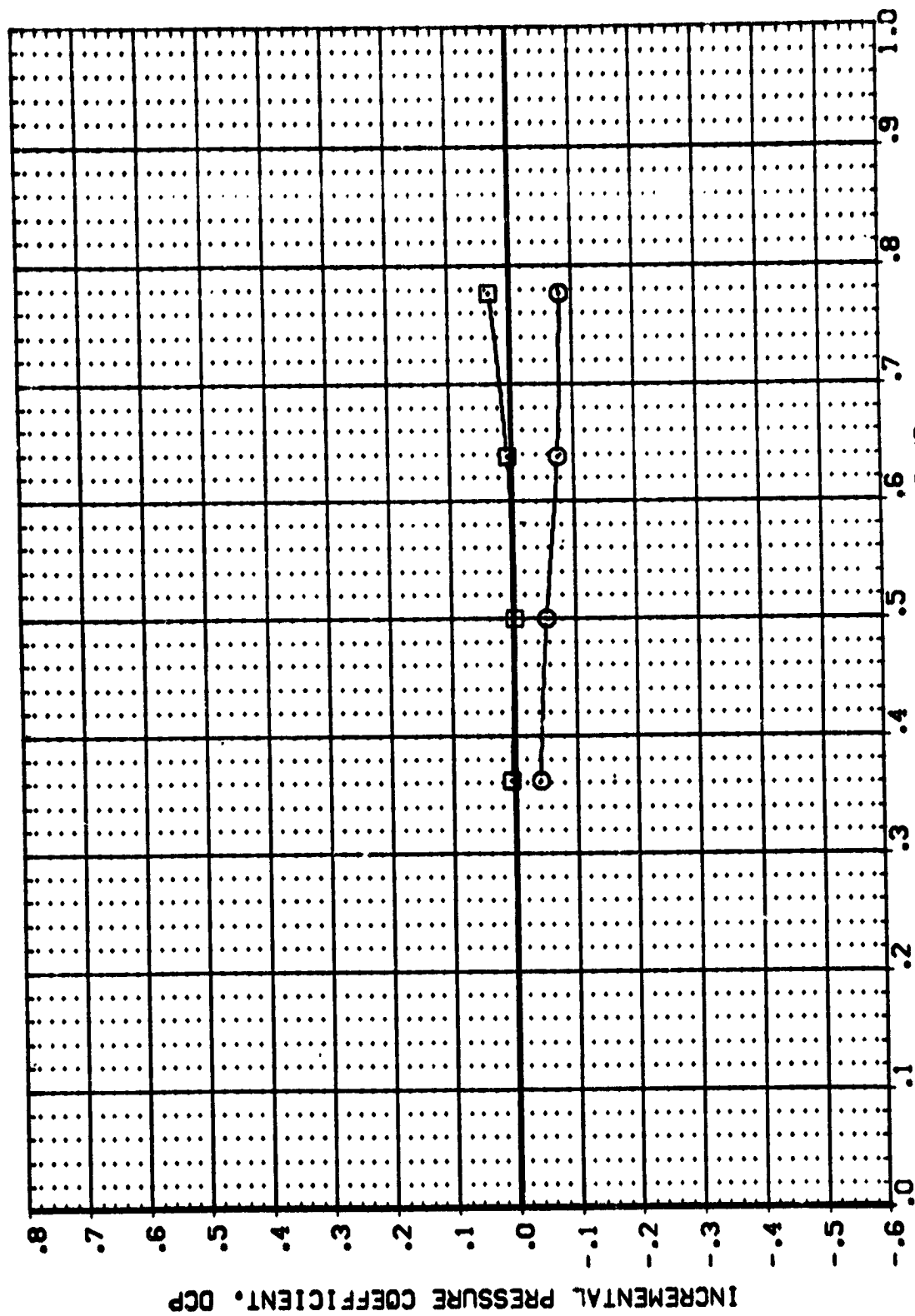


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

| | | | | | | | | |
|------|---|------|-------|---|--------|-----|---|------|
| MACH | = | .896 | ALPHA | = | -3.900 | X/C | = | .500 |
|------|---|------|-------|---|--------|-----|---|------|

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 {AF4UD9} Q 1A68 { C1F1M3(1)M4(1) } - {C1F1} UPPER WING
 {AF4UD9} Q 1A68 { C1F1M3(1)M4(1) } - {C1F1} LOWER WING

BETA
 .000
 .000

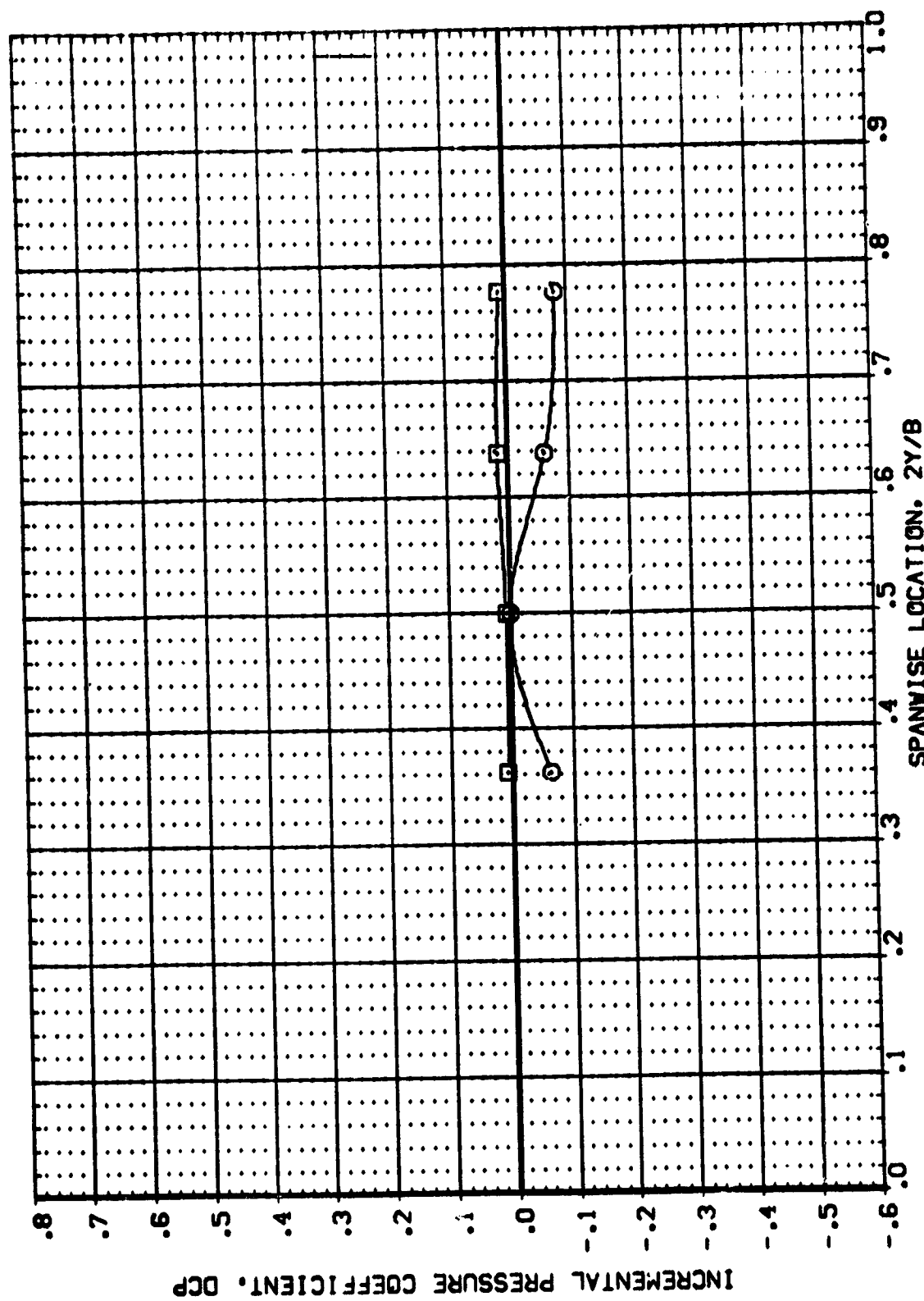


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = -1.940 X/C = .500



DATA SET SYMBOL: [AF4L09] [AF4L09]
 CONFIGURATION DESCRIPTION: [AF4L09] { C1F1G(1)M(1) } - { C1F1 } UPPER WING
 [AF4L09] { C1F1G(1)M(1) } - { C1F1 } LOWER WING

BETA
 .000
 .000

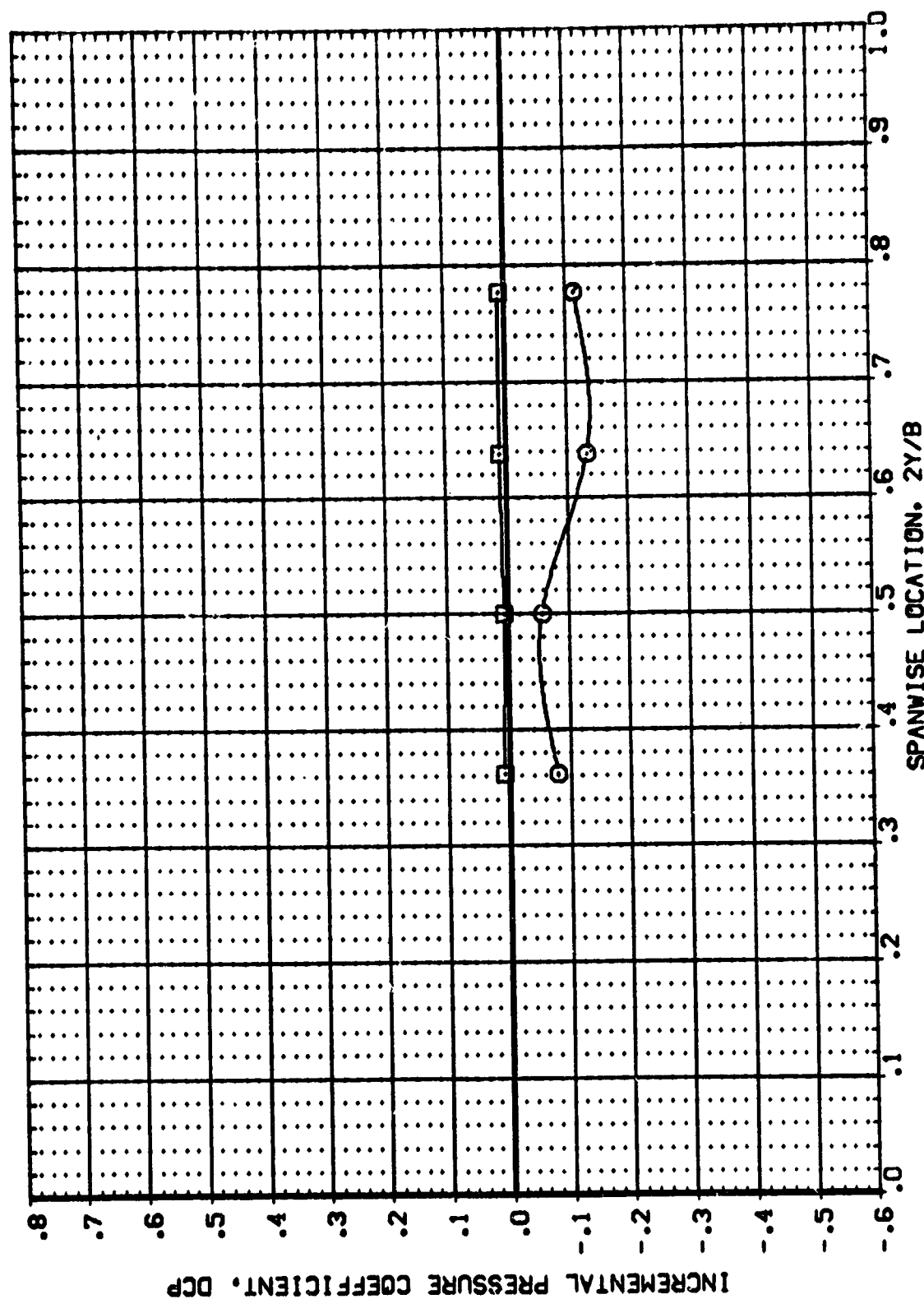


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = .000 X/C = .500

DATA SET SYMBOL: B CONFIGURATION DESCRIPTION: 1A58 { C1F1G11M111 } - { C1F1 } UPPER WING
 1A58 { C1F1G11M111 } - { C1F1 } LOWER WING

BETA
 .000
 .000

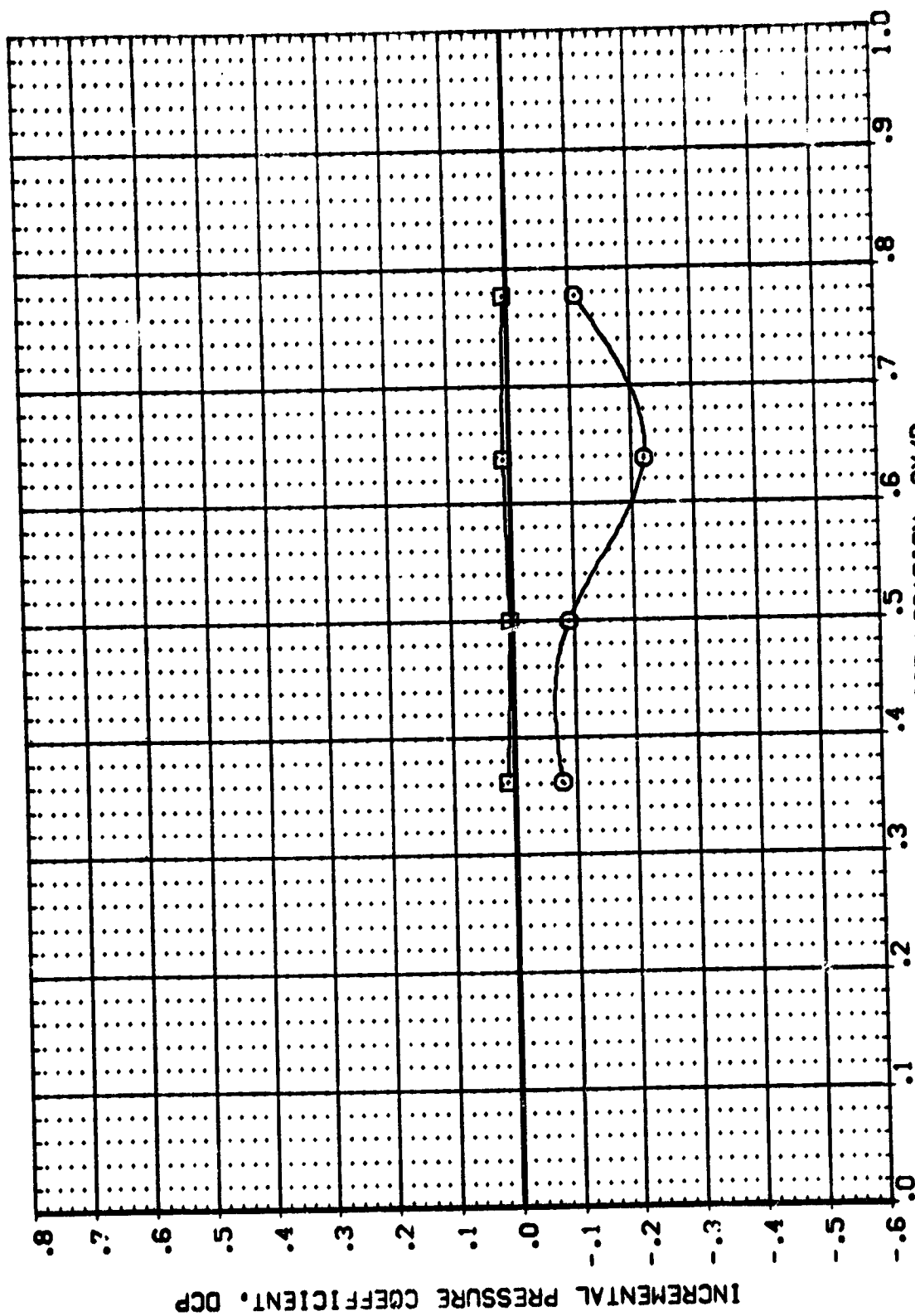


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 1.910 X/C = .500



DATA SET SYMBOL: 8
 [AF4LOS] [AF4LOS]
 CONFIGURATION DESCRIPTION: 1A88 { C1F1M3(1)M4(1) } - {C1F1} UPPER WING
 1A88 { C1F1M3(1)M4(1) } - {C1F1} LOWER WING
 BETA: .000
 .000

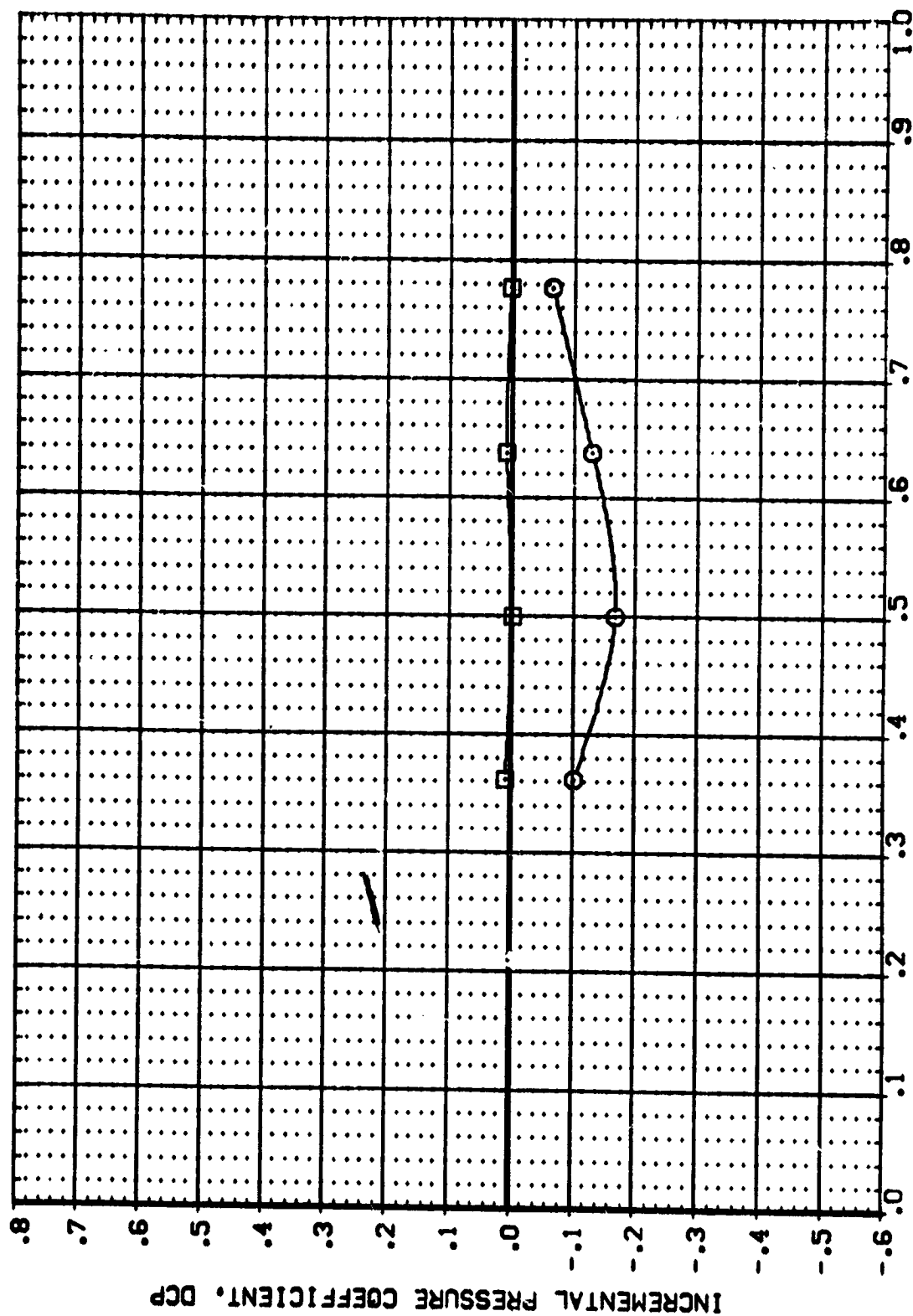


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = .896 ALPHA = 3.840 X/C = .500

DATA SET SYMBOL: 1A68 { C1F1M3(1)M4(1) } - (C1F1) UPPER WING
 1A68 { C1F1M3(1)M4(1) } - (C1F1) LOWER WING
 BETA: .000

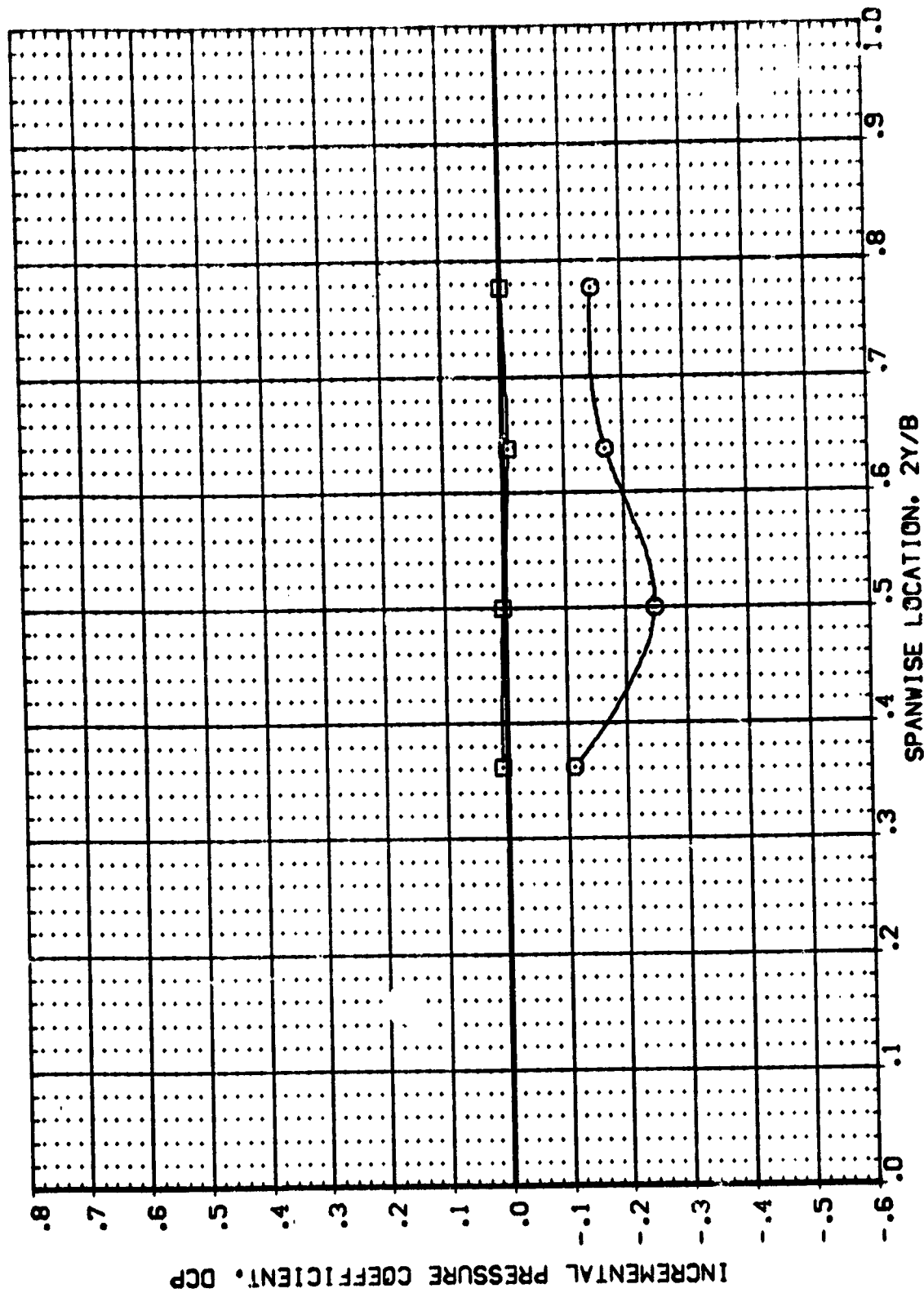


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.209 ALPHA = -3.940 X/C = .500



BETA
.000
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
[AF4UD9] IASB { C1F1G3(1)M4(1) } - { C1F1 } UPPER WING
[AF4UD9] IASB { C1F1G3(1)M4(1) } - { C1F1 } LOWER WING

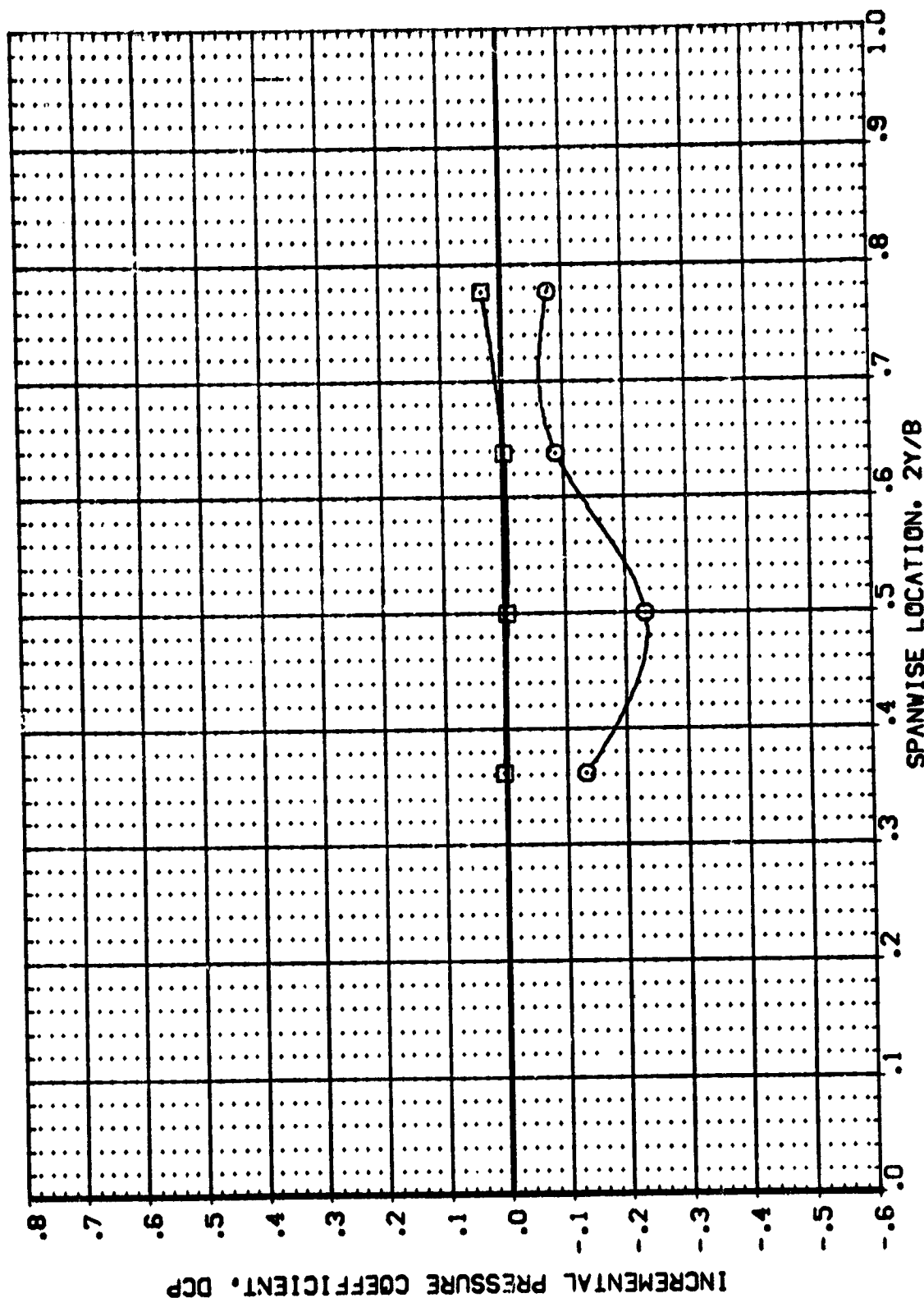


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.209 ALPHA = -1.960 X/C = .500

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET SYMBO. CONFIGURATION DESCRIPTION BETA
 [AF4L09] 1A58 (C1F1M311)M4(11) } - (C1F1) UPPER WING .000
 [AF4L09] 1A58 (C1F1M311)M4(11) } - (C1F1) LOWER WING .000

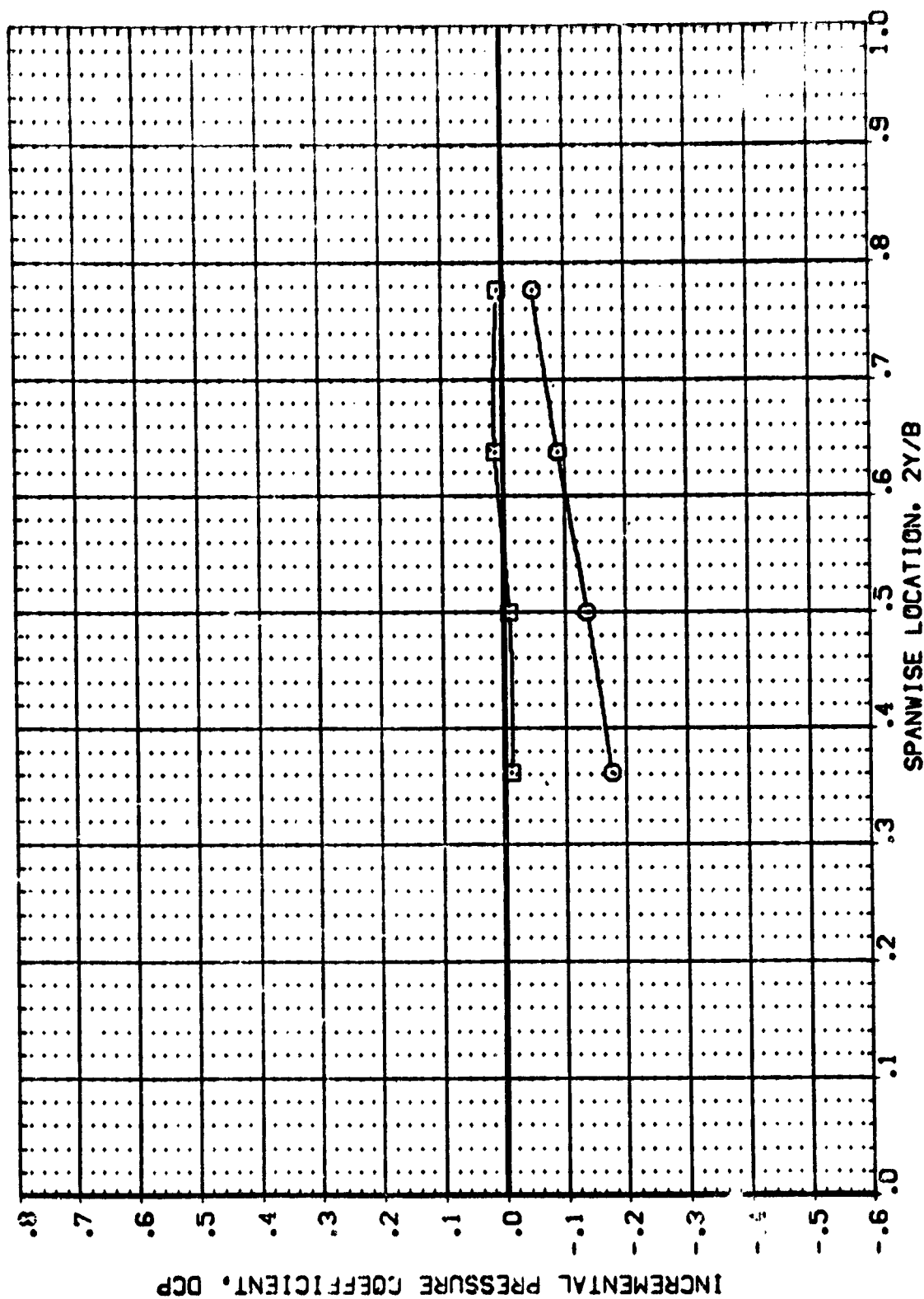


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.209 ALPHA = -0.030 X/C = .500

PAGE :74



DATA SET SYMBOL: ☐ [AF4L09] ☐ [AF4L03] CONFIGURATION DESCRIPTION: IASB { C1F1M3(1)M4(1) } - (C1F1) UPPER WING IASB { C1F1M3(1)M4(1) } - (C1F1) LOWER WING BETA: .000 .000

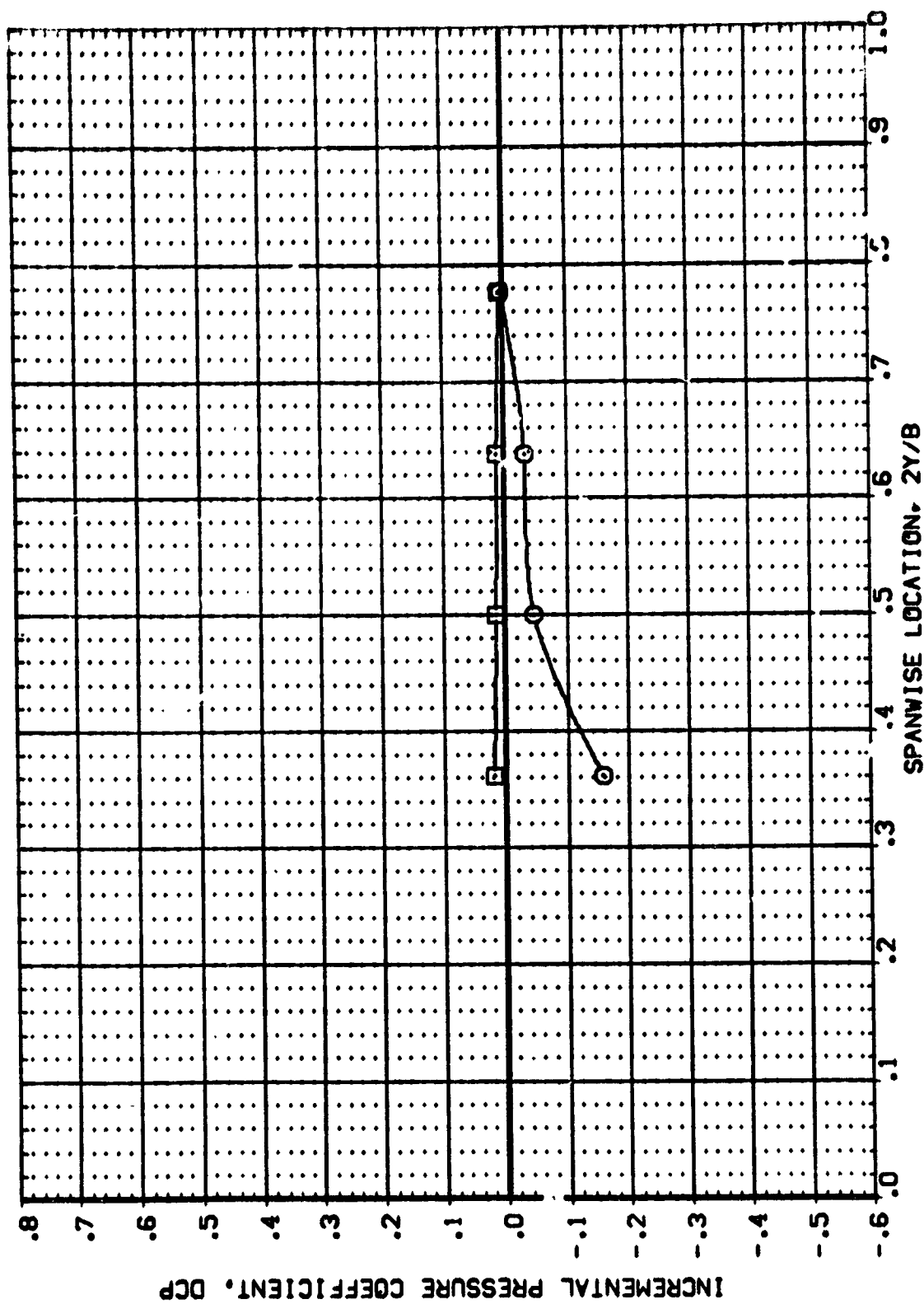
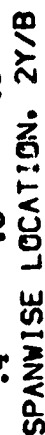


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MAC_H = 1.209 ALPHA = 3.880 X/C = .500

33



92. 15.0

.500

5/X

3-890

11

503

10

DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1A68 { C1F13(1)M4(1) } - (C1F1) UPPER WING**
1A68 { C1F13(1)M4(1) } - (C1F1) LOWER WING BETA: **.000**

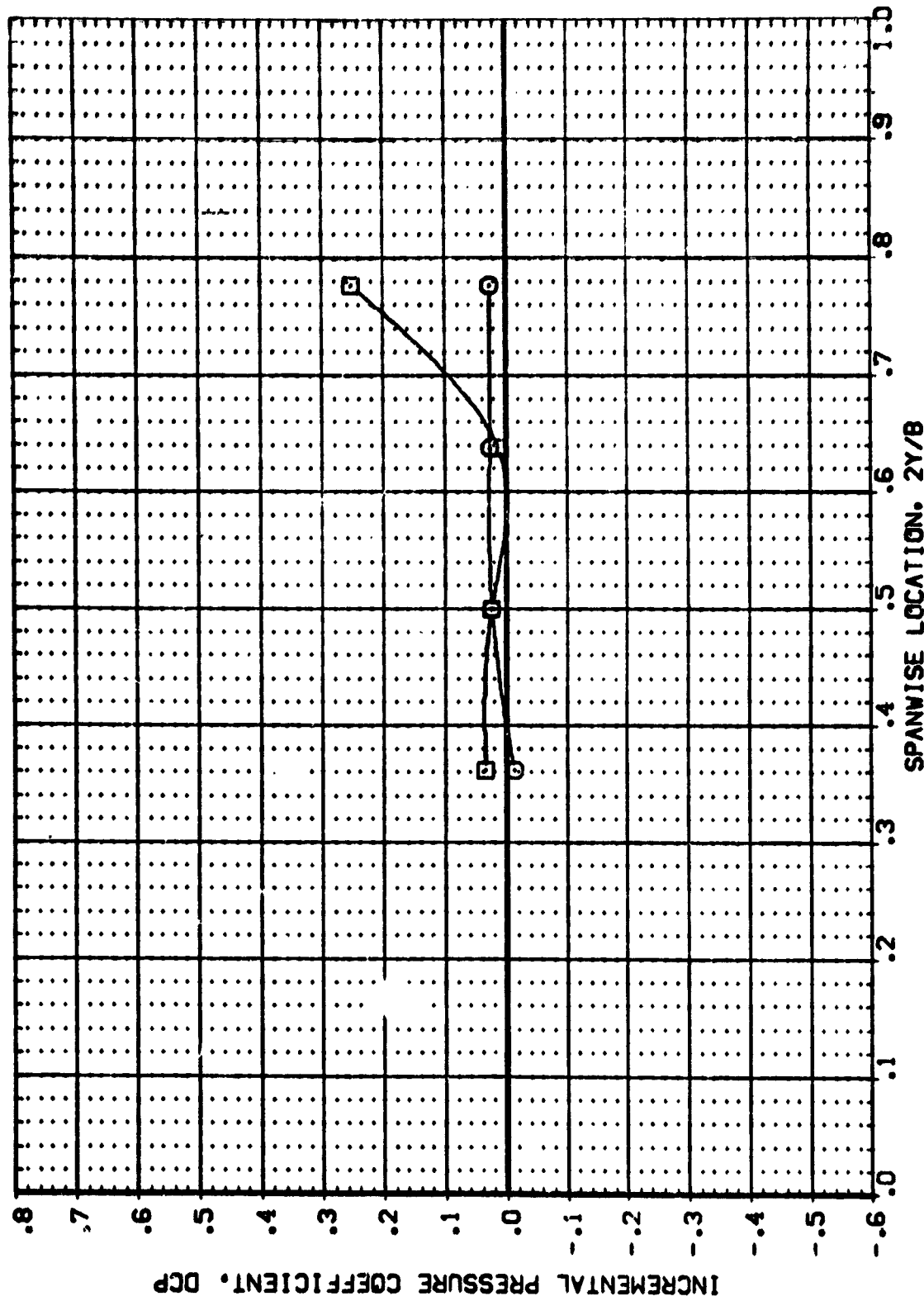


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -1.820 X/C = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION BETA
 [AFALOS] [ASB { C1F1Q3(1)M4(1) } - { C1F1 } UPPER WING .000
 [AFALOS] [ASB { C1F1Q3(1)M4(1) } - { C1F1 } LOWER WING .000

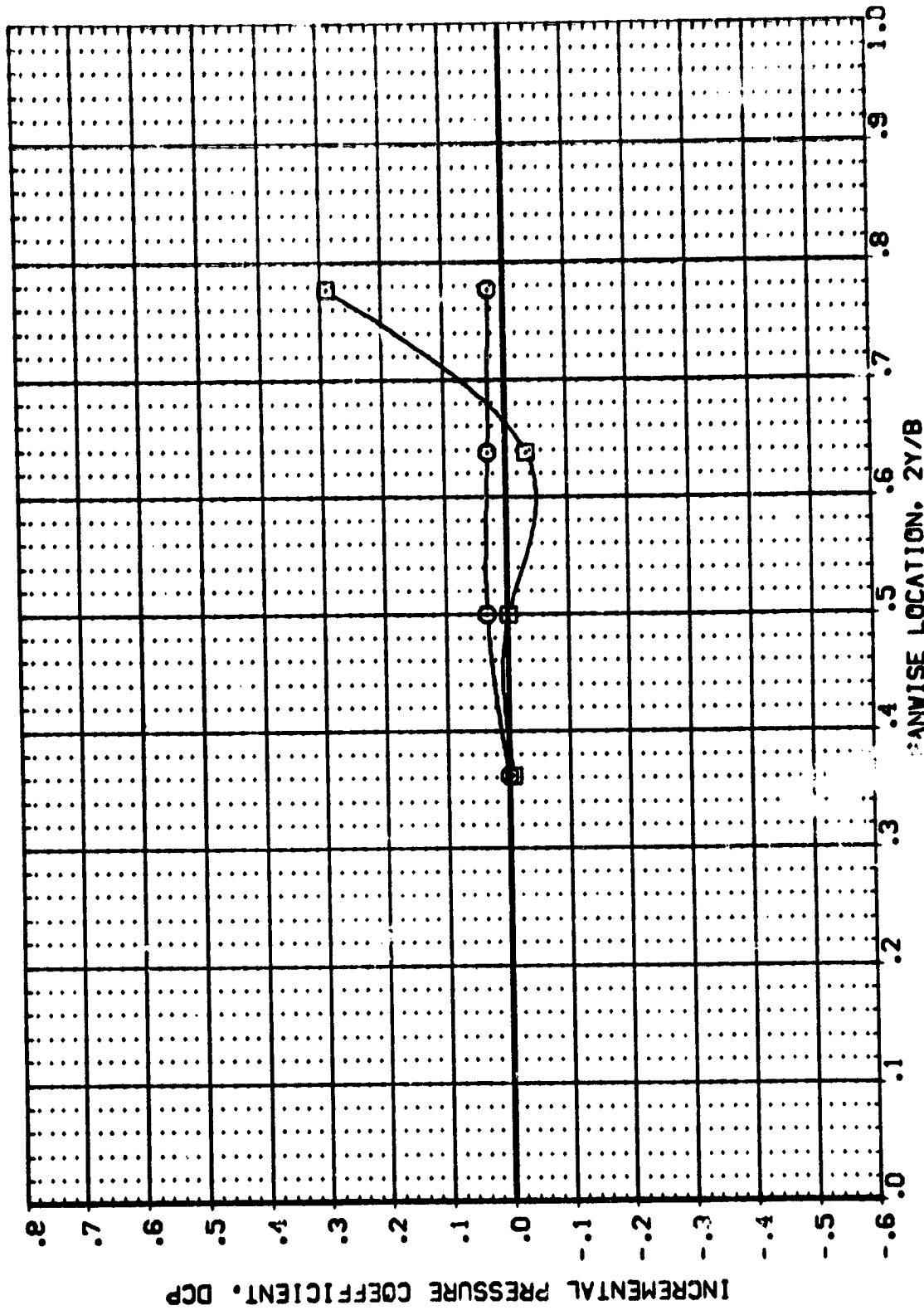


FIG 10 STRUT DIFFERENTIAL PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = .120 X/C = .500



DATA SET SYMBOL CONFIGURATION DESCRIPTION BETA
 (AFALOS) [AGB { CIPMG{IM{}} } - {CIF} UPPER VING .000
 [AGB { CIPMG{IM{}} } - {CIF} LOWER VING

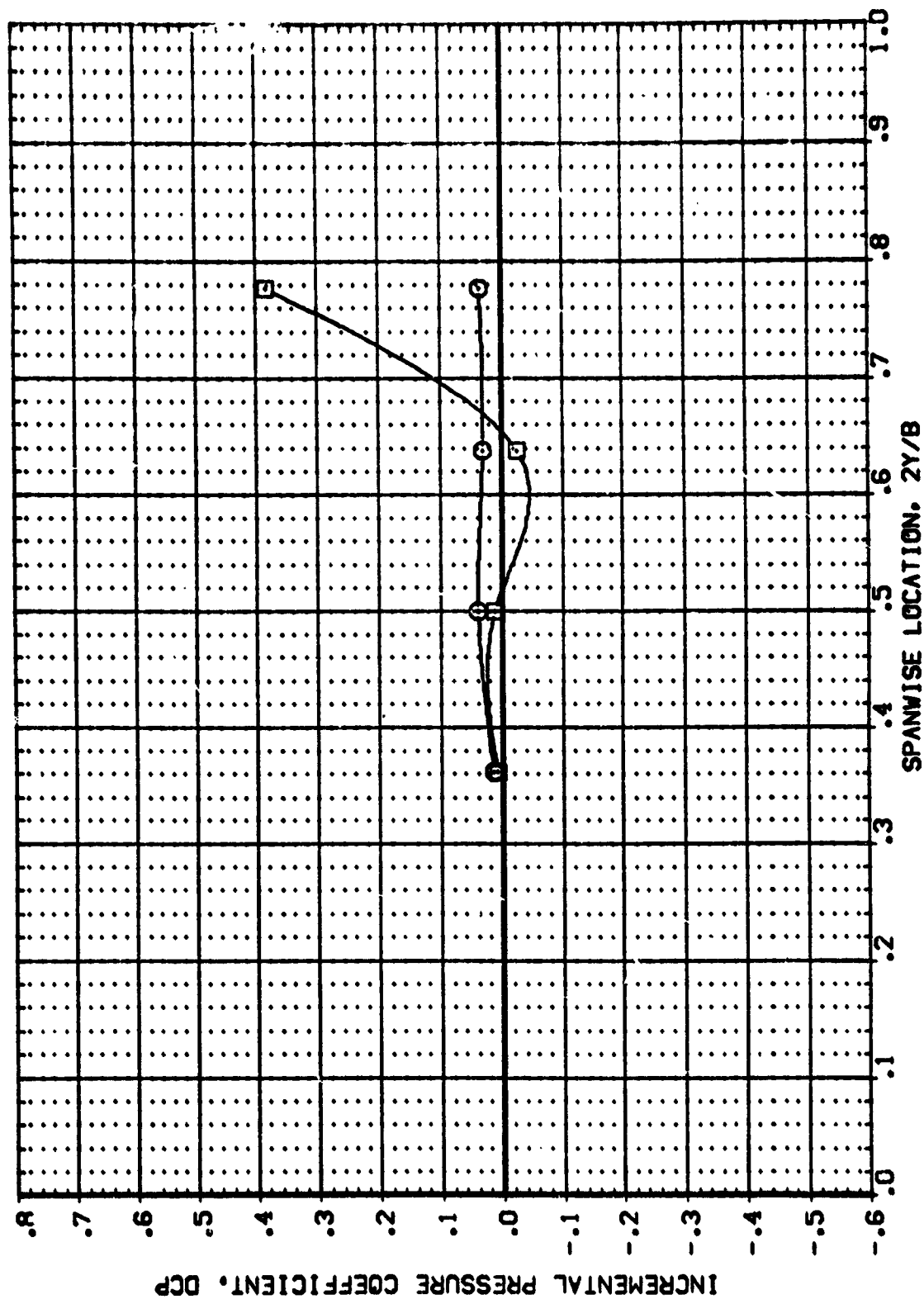


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 2.120 X/C = .500

BETA **.000**



PAGE 180

| | | | | | |
|--------|-------|---------|-------|-------|------|
| MACH = | 1.503 | /LPHA = | 4.030 | X/C = | .500 |
|--------|-------|---------|-------|-------|------|

BETA
.000
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
[AF4U11] IAGB { C1 F1 M111 } - { C1 F1 } UPPER VING
[AF4L11] IAGB { C1 F1 M111 } - { C1 F1 } LOWER VING

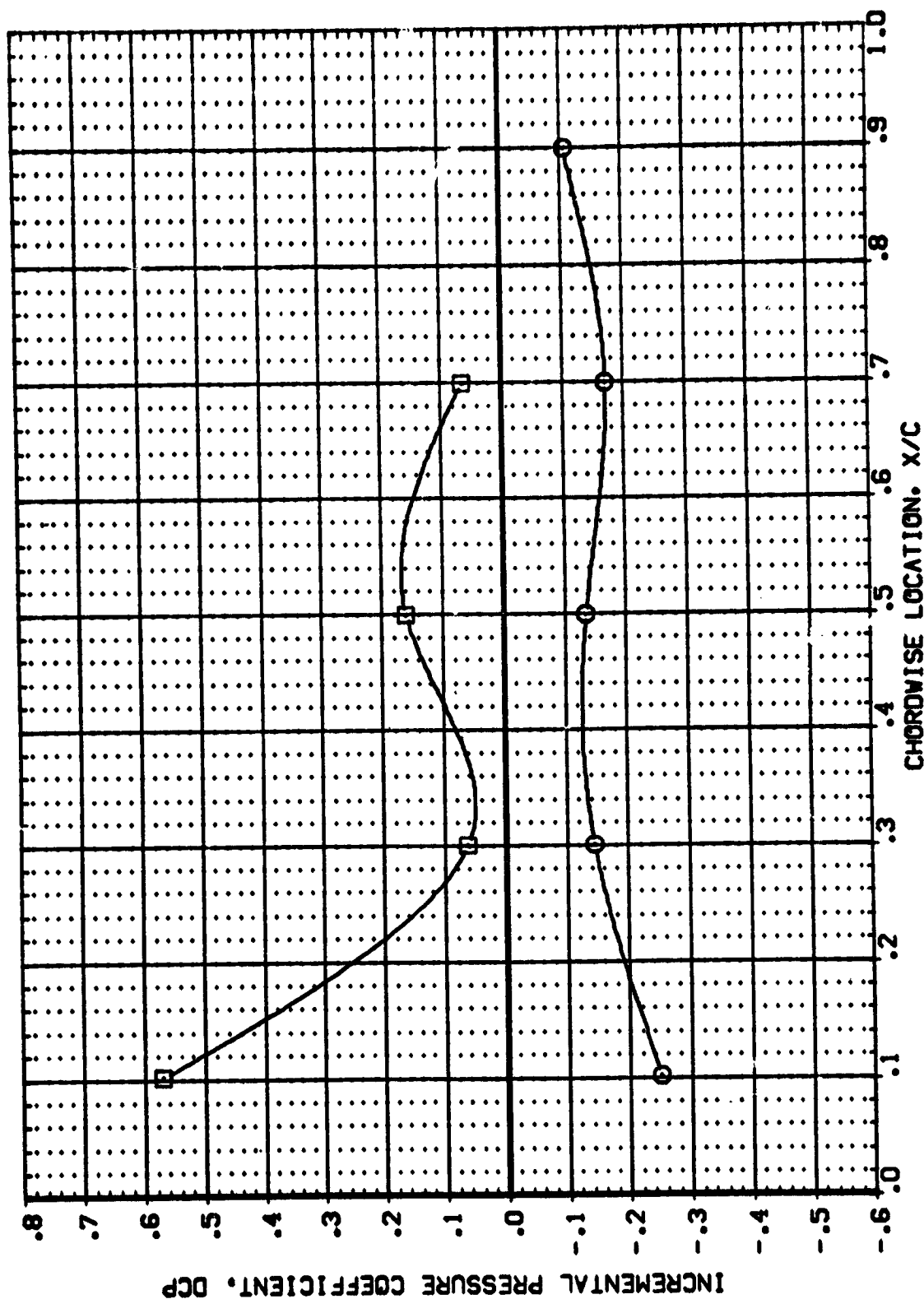


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -3.700 2Y/B = .500

DATA SET SYMB. CONFIGURATION DESCRIPTION BETA
 {AF4U11} IASB {C1 F1 M1(1)} - {C1 F1 } UPPER WING .000
 {AF4L11} IASB {C1 F1 M1(1)} - {C1 F1 } LOWER WING .000

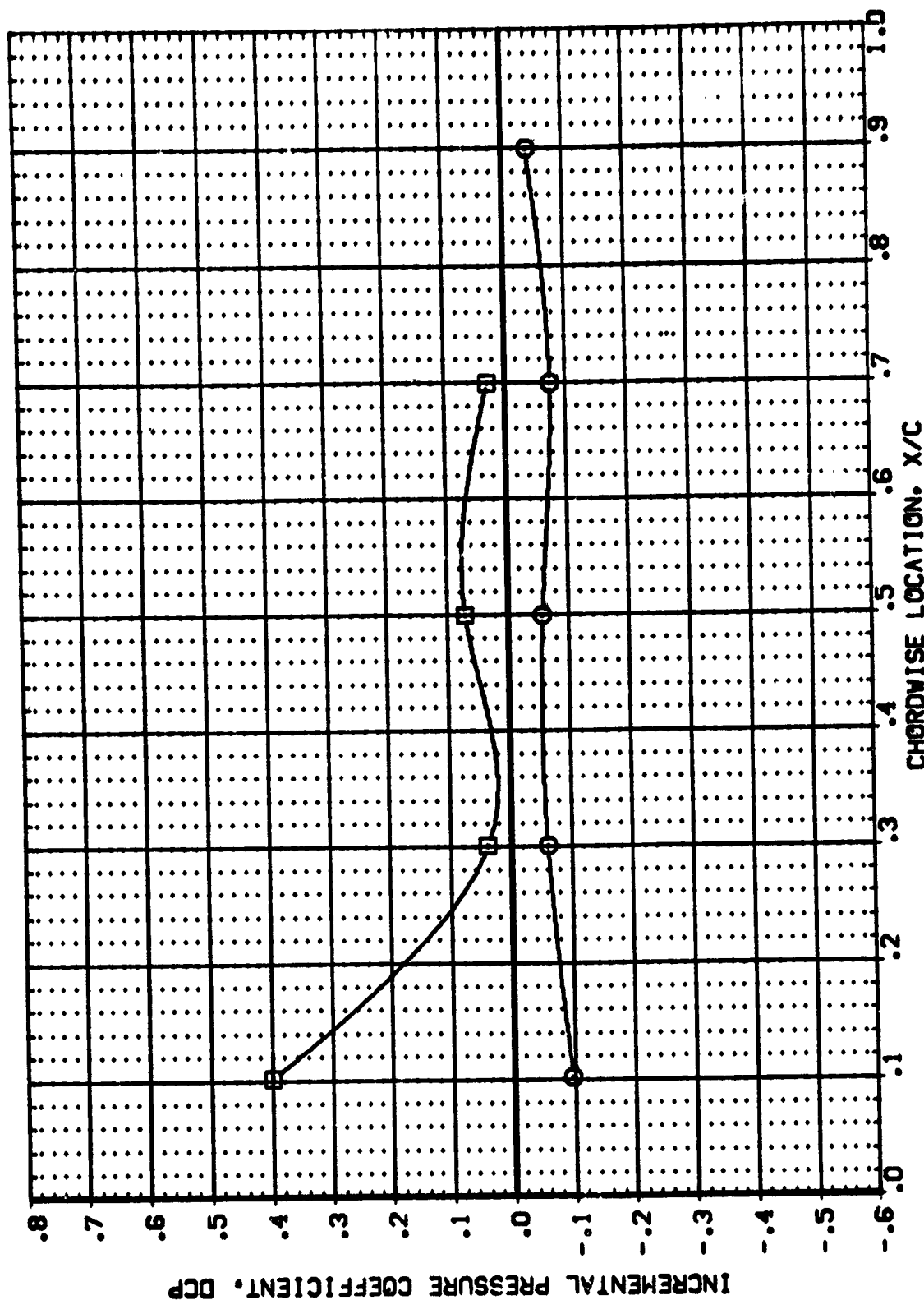


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -1.790 2Y/B = .500

BETA
.000
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
[AFAL11] [C1 F1 M111] - [C1 F1] UPPER WING
[AFAL11] [C1 F1 M111] - [C1 F1] LOWER WING

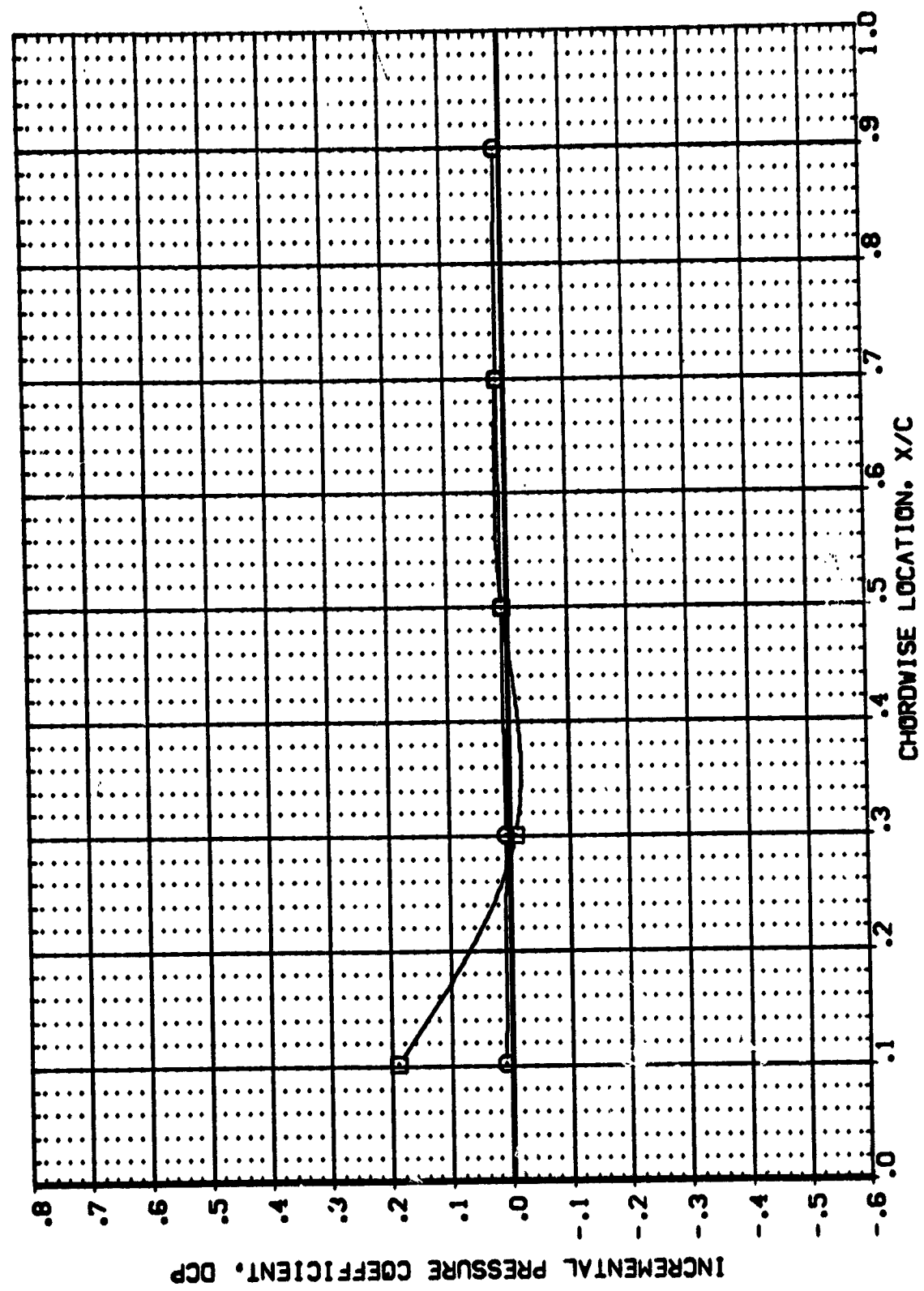


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = .120 2Y/B = .500 PAGE 183

REPRODUCIBILITY OF THE
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DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: **1A88 { C1 F1 M1(1) } - { C1 F1 } UPPER WING**
1A91 { C1 F1 M1(1) } - { C1 F1 } LOWER WING
 BETA: **.000**
.000

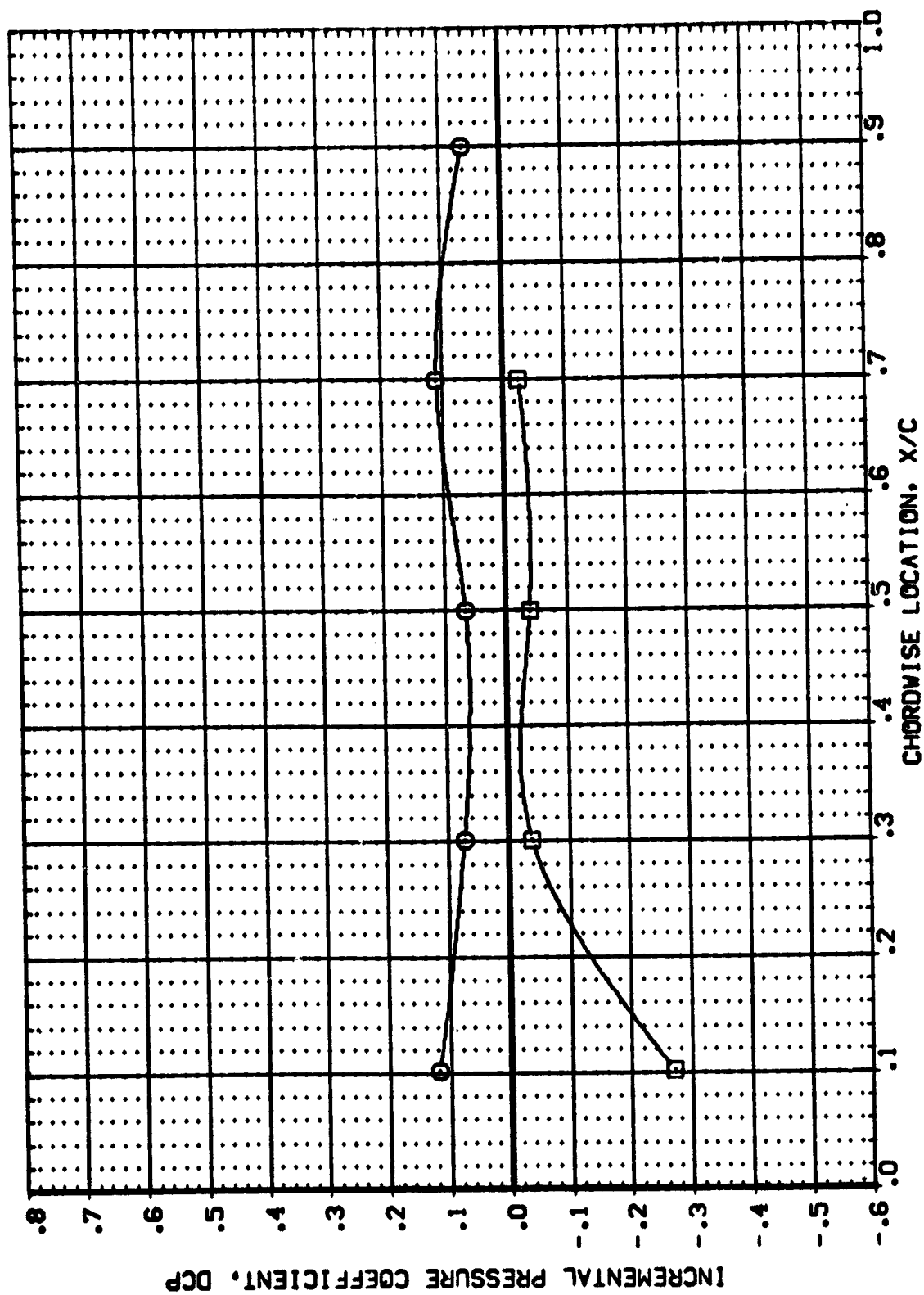


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 2.010 2Y/B = .500 PAGE 184



DATA SET SYMBOL: **9** CONFIGURATION DESCRIPTION: **1A88 { C1 F1 H1(1) } - { C1 F1 } UPPER WING**
1A88 { C1 F1 H1(1) } - { C1 F1 } LOWER WING

BETA: **.000**
.000

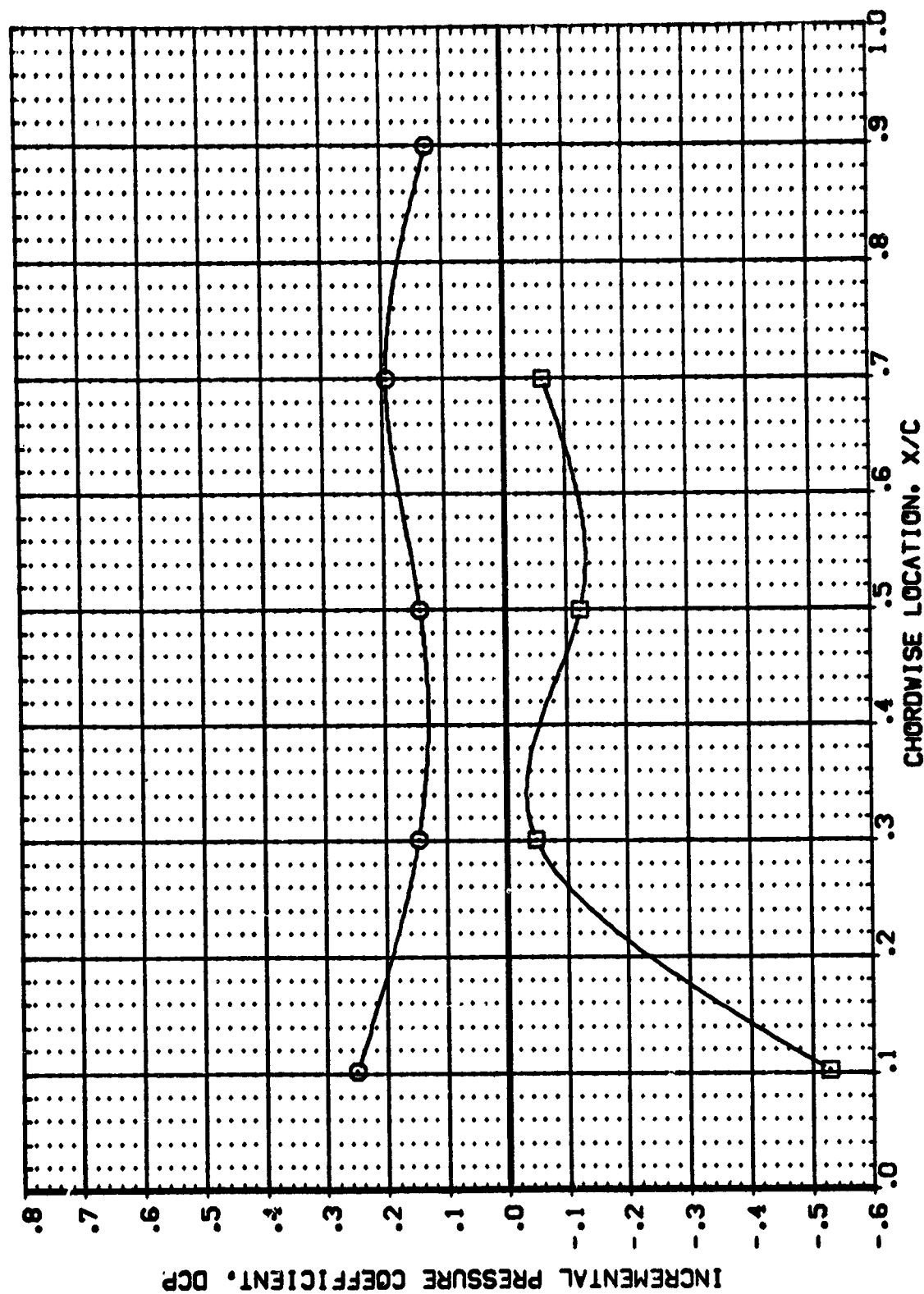
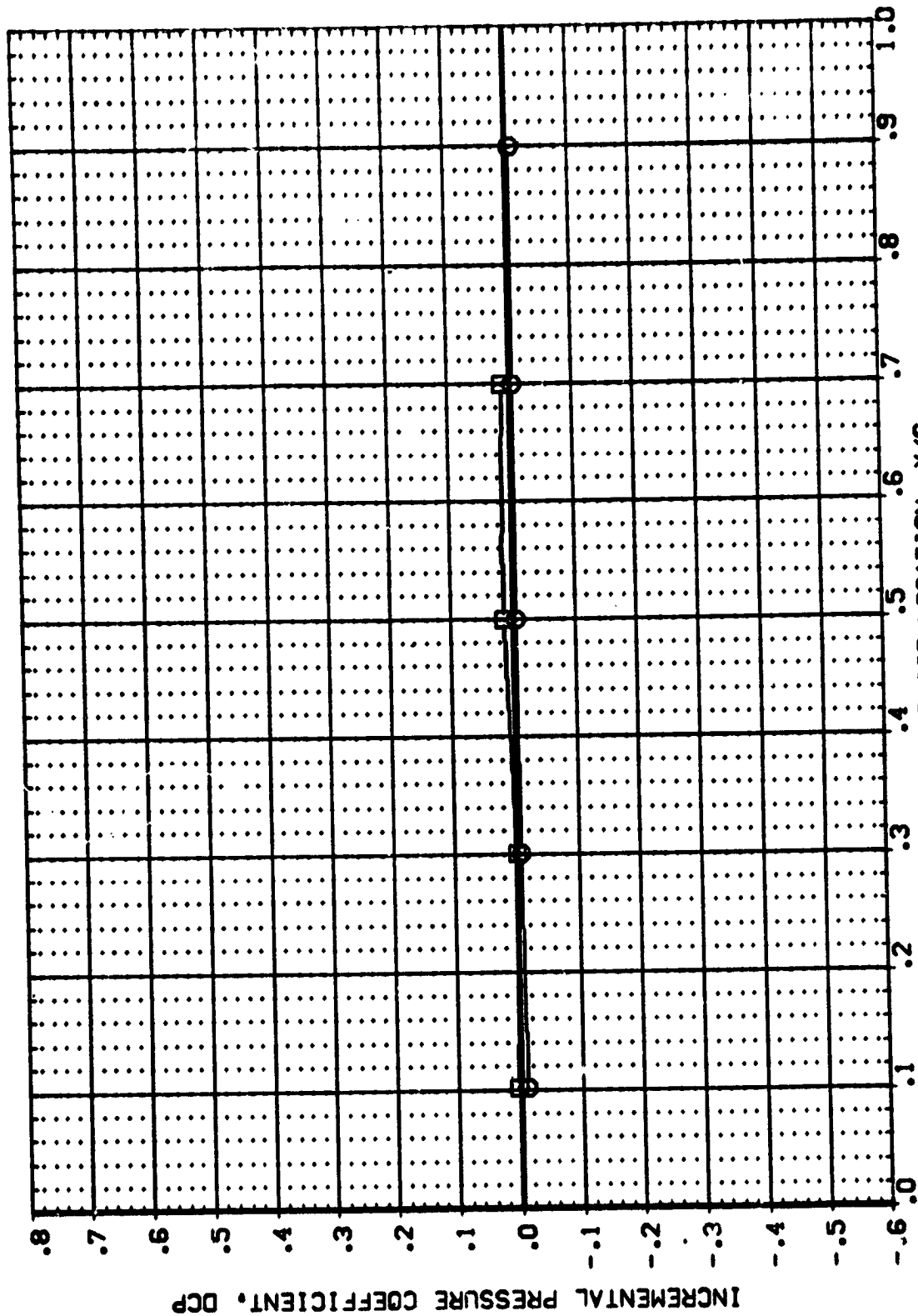


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 4.040 2Y/B = .500

BETA
.000
.000

DATA SET SYMBOL: [AF4U11] [AF4L11]
CONFIGURATION DESCRIPTION: IASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING
IASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING



CHORDWISE LOCATION, X/C

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -3.860 2Y/B = .500 PAGE 186



BETA
.000
.000

DATA SET SYMBOL: [AF4U11] [AF4L11]
 CONFIGURATION DESCRIPTION: IASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING
 IASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

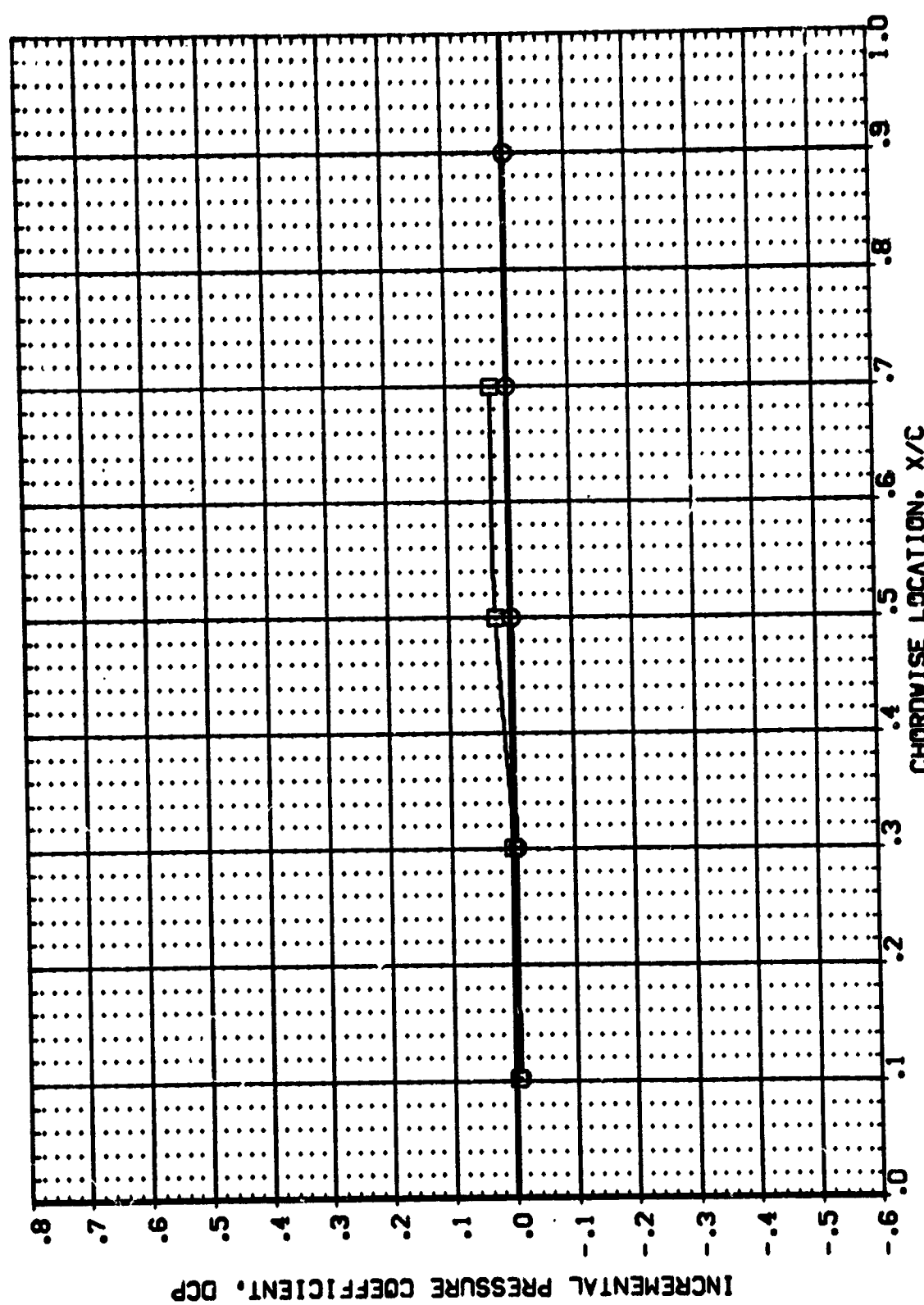


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -1.940 2Y/B = .500

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR.

DATA SET SYMB. CONFIGURATION DESCRIPTION
 [AF4U11] IASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING
 [AF4L11] IASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

BETA
 .000
 .000

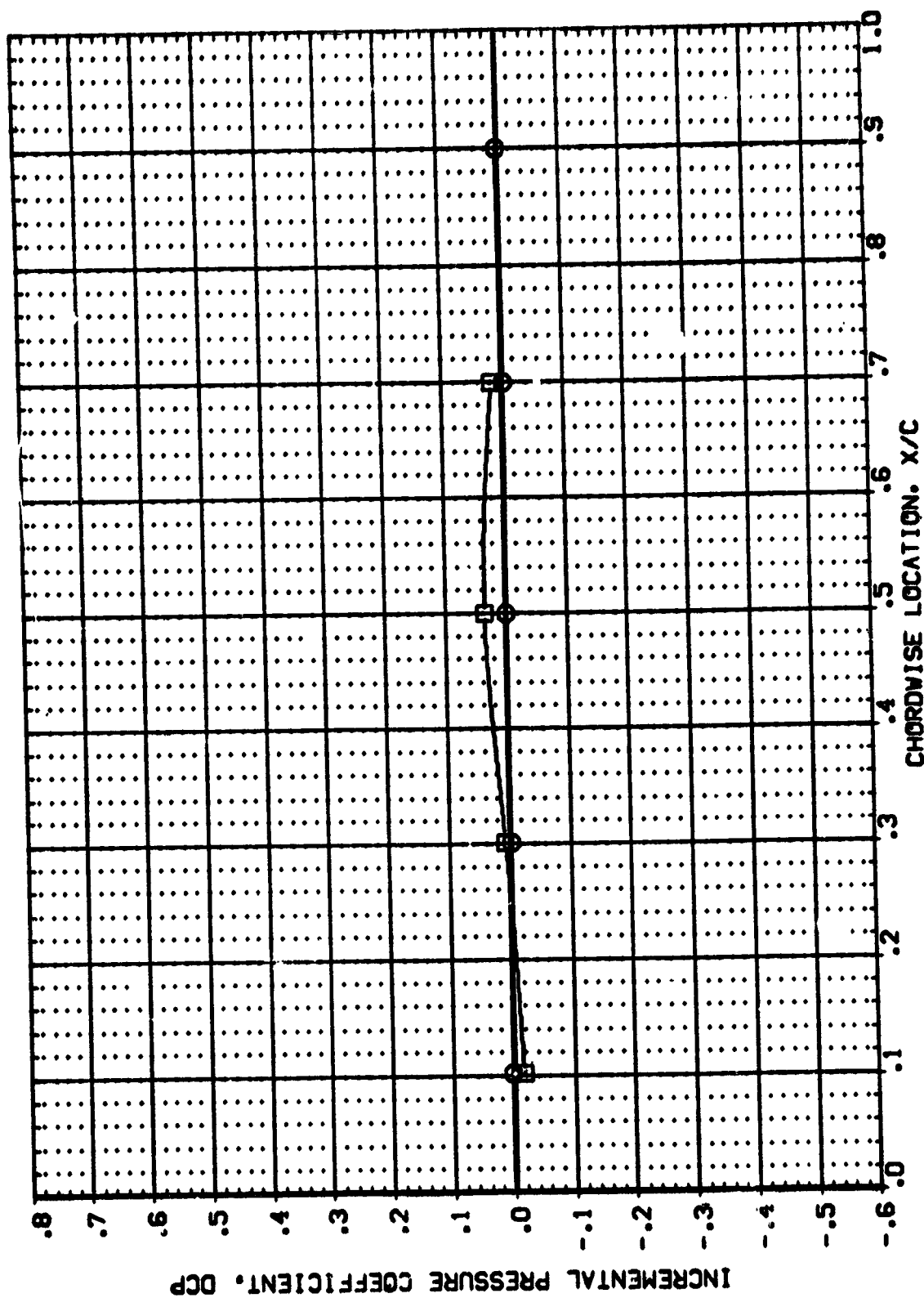


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = .000 2Y/B = .500 PAGE 188



DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: **IN88 { C1 F1 M1(1) } - { C1 F1 } UPPER WING**
IN89 { C1 F1 M1(1) } - { C1 F1 } LOWER WING BETA: **.000**
.000

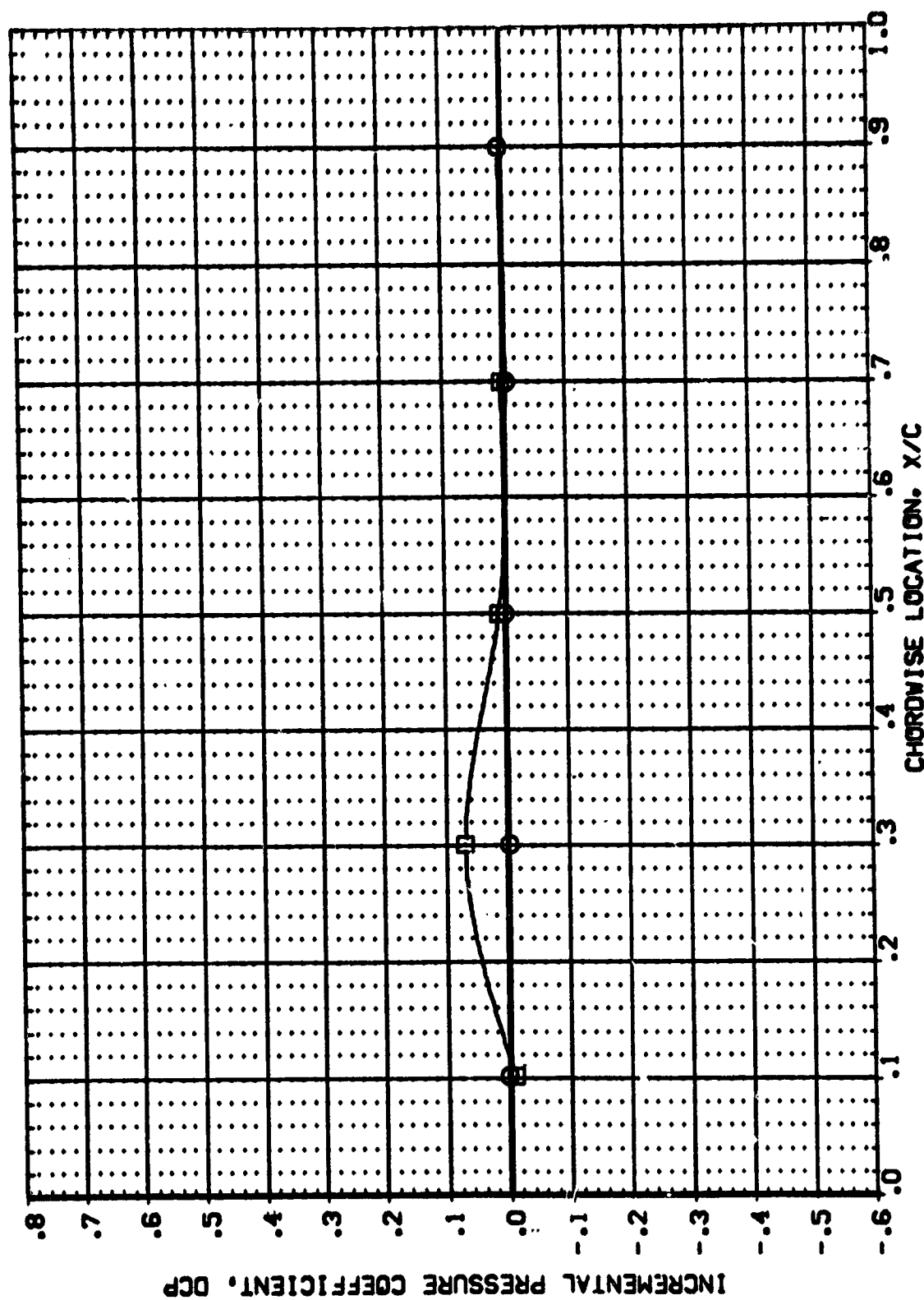


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 1.980 2Y/B = .500

DATA SET SYMBOL: [AF4U11] [AF4L11] BETA: .000 .000
 CONFIGURATION DESCRIPTION: 1A6B { C1 F1 M111 } - { C1 F1 } UPPER WING
 1A6B { C1 F1 M111 } - { C1 F1 } LOWER WING

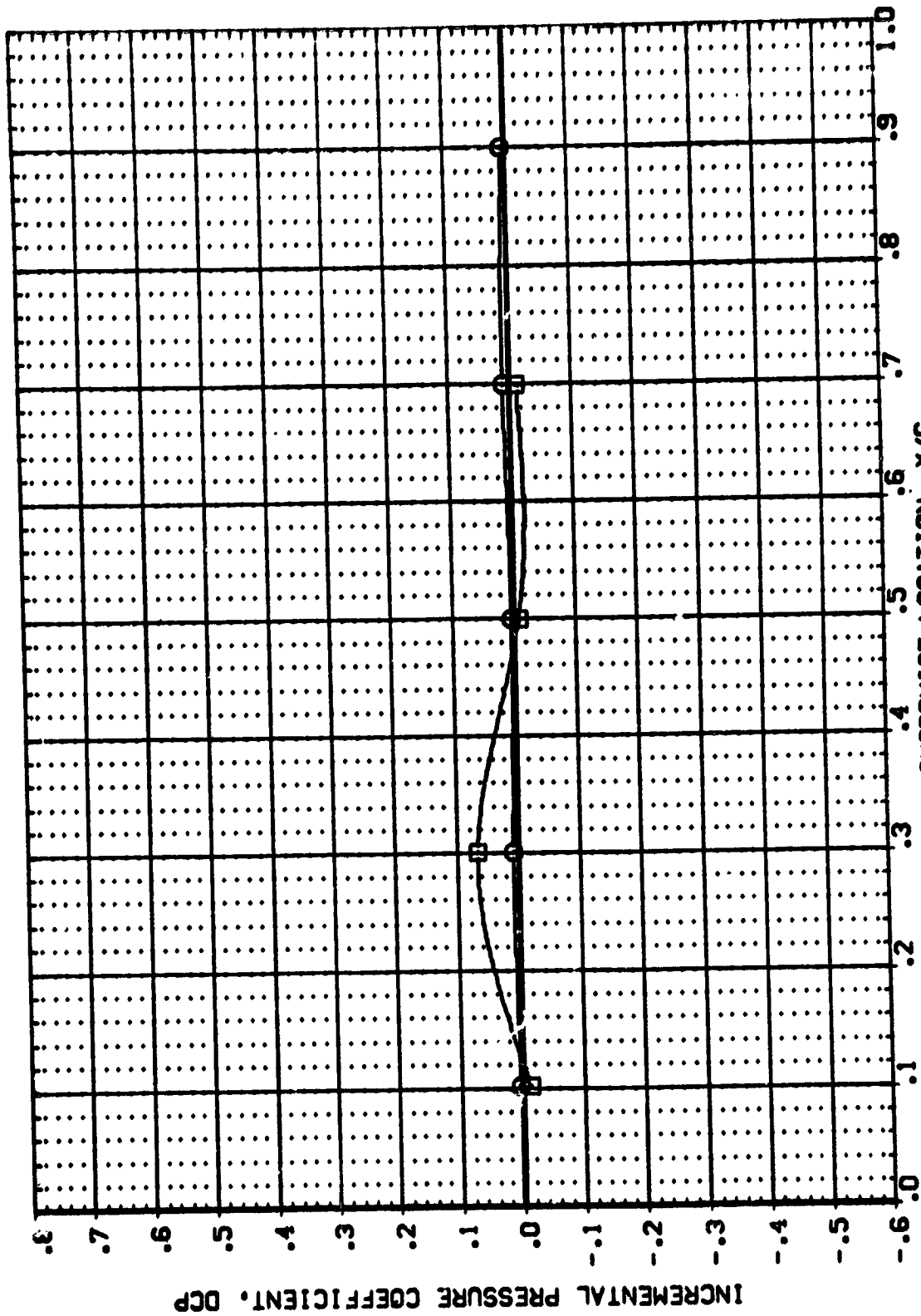


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 3.910 2Y/B = .500



BETA 88

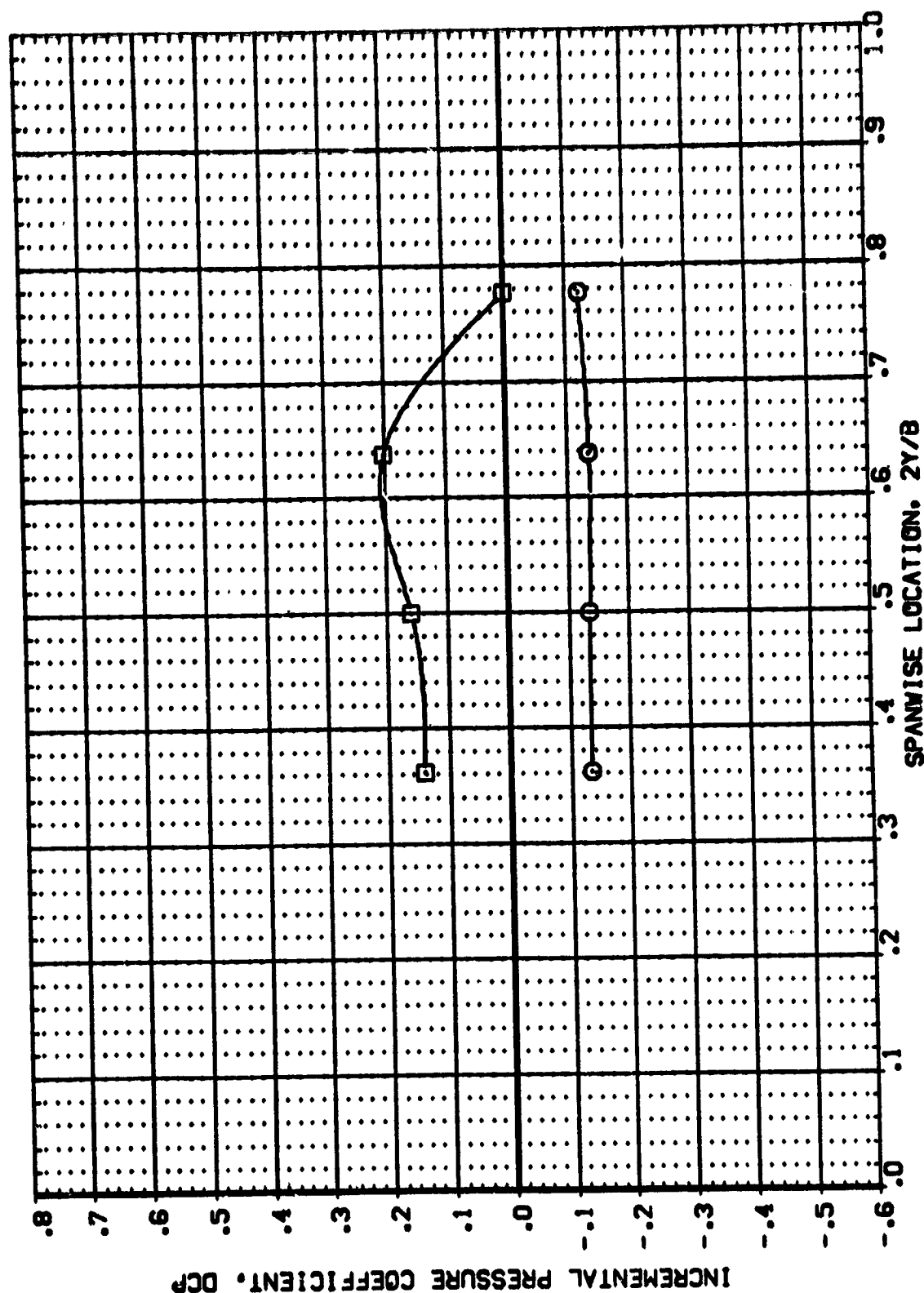


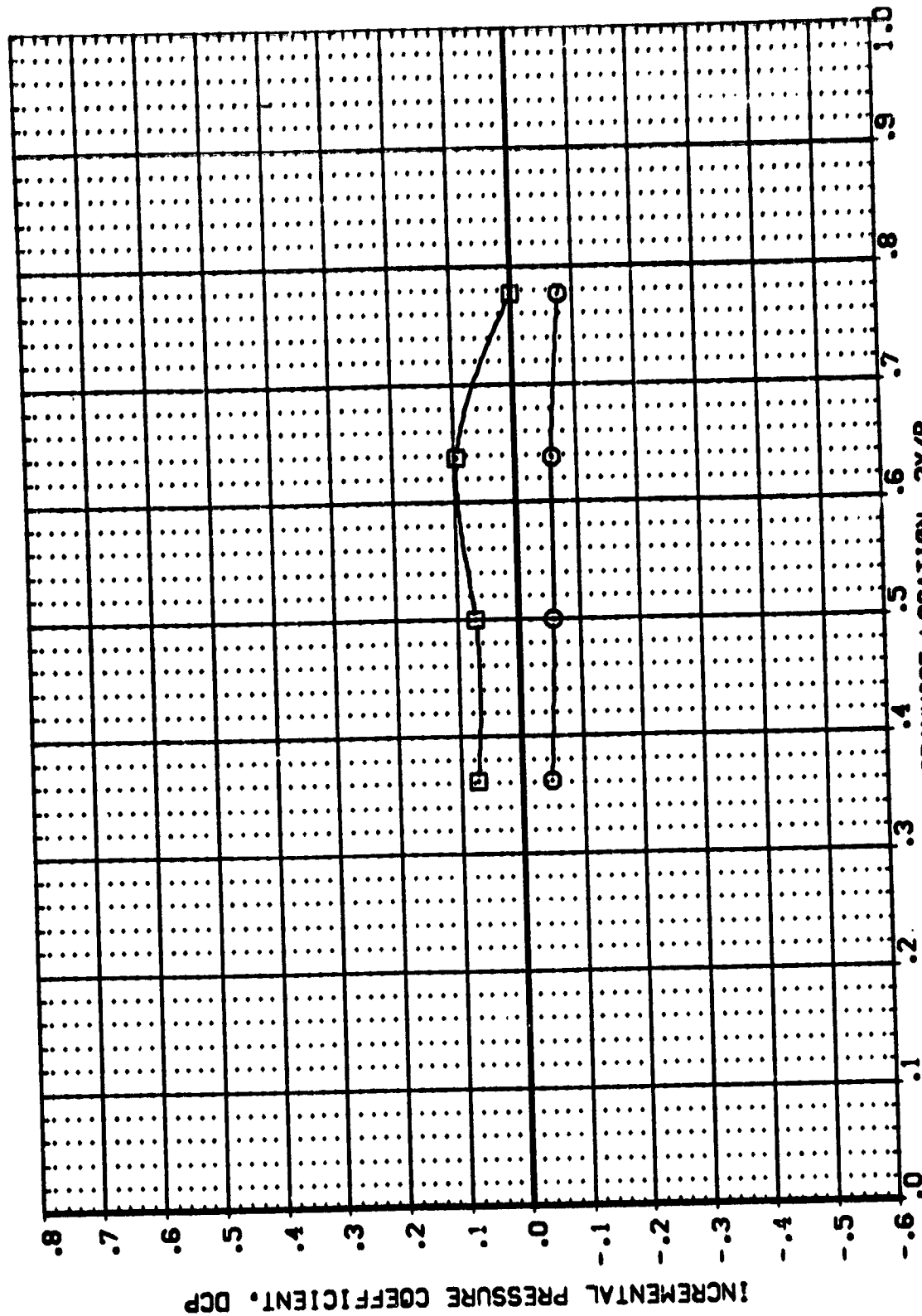
FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

9:53

$$\text{MACH} = 1.503 \quad \text{ALPHA} = -3.700 \quad \text{X/C} = .500$$

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET SYMBOL: [AF4J11] [AF4L11]
 CONFIGURATION DESCRIPTION: 1A58 { C1 F1 M111 } - { C1 F1 } UPPER WING
 1A58 { C1 F1 M111 } - { C1 F1 } LOWER WING
 BETA: .000 .000



SPANWISE LOCATION, 2Y/B

FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = -1.790 X/C = .500 PAGE 192



DATA SET SYMBOL: **AF4U11** CONFIGURATION DESCRIPTION: **1A58 { C1 F1 M1(1) } - { C1 F1 } UPPER WING**
AF4L11 **1A58 { C1 F1 M1(1) } - { C1 F1 } LOWER WING**

BETA
.000
.000

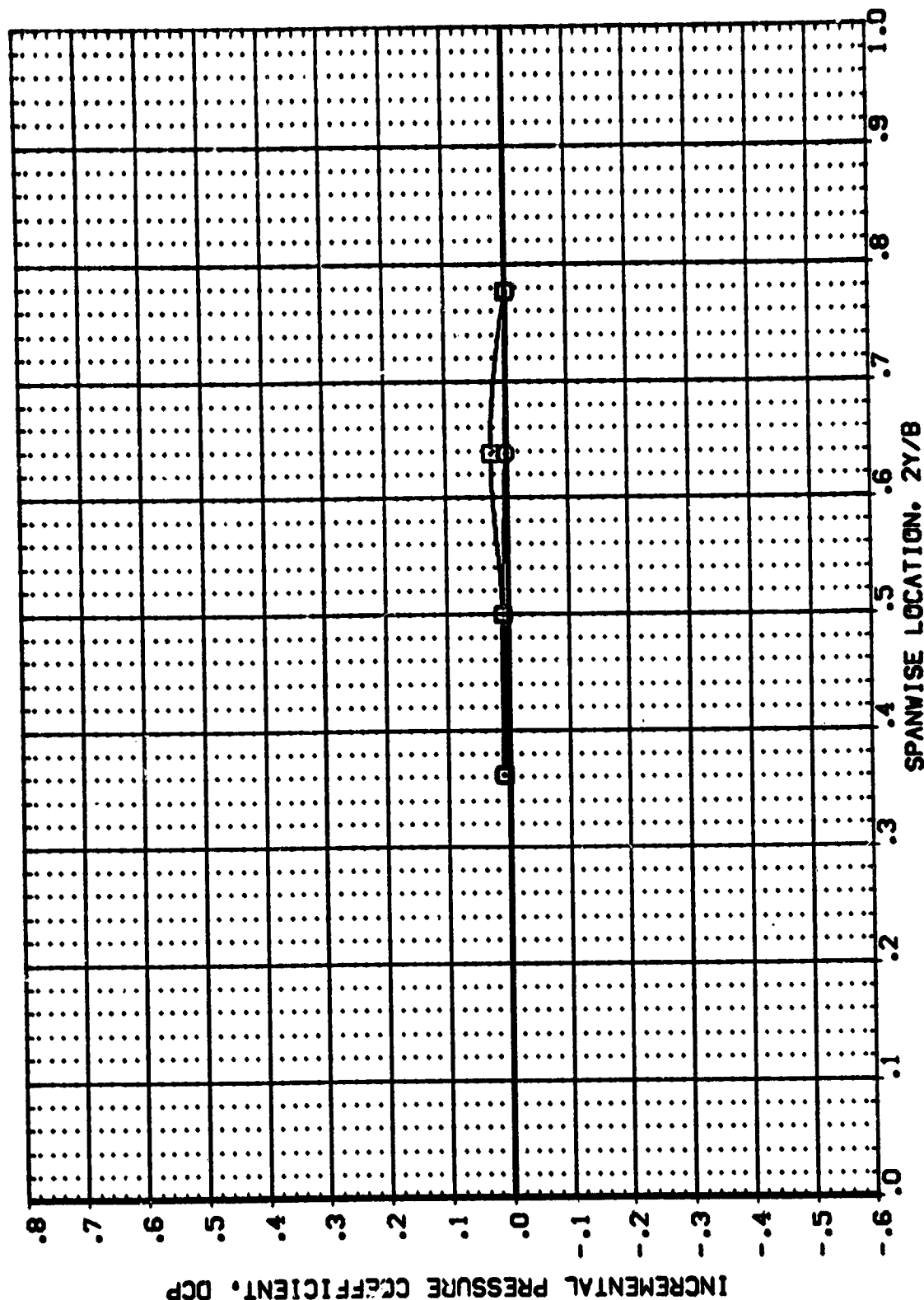


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = .120 X/C = .500 PAGE 193

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION |
|-----------------|---|
| [AF4U11] | IAGB { C1 F1 MI(1) } - { C1 F1 } UPPER VING |
| [AF4L11] | IAGB { C1 F1 MI(1) } - { C1 F1 } LOWER VING |

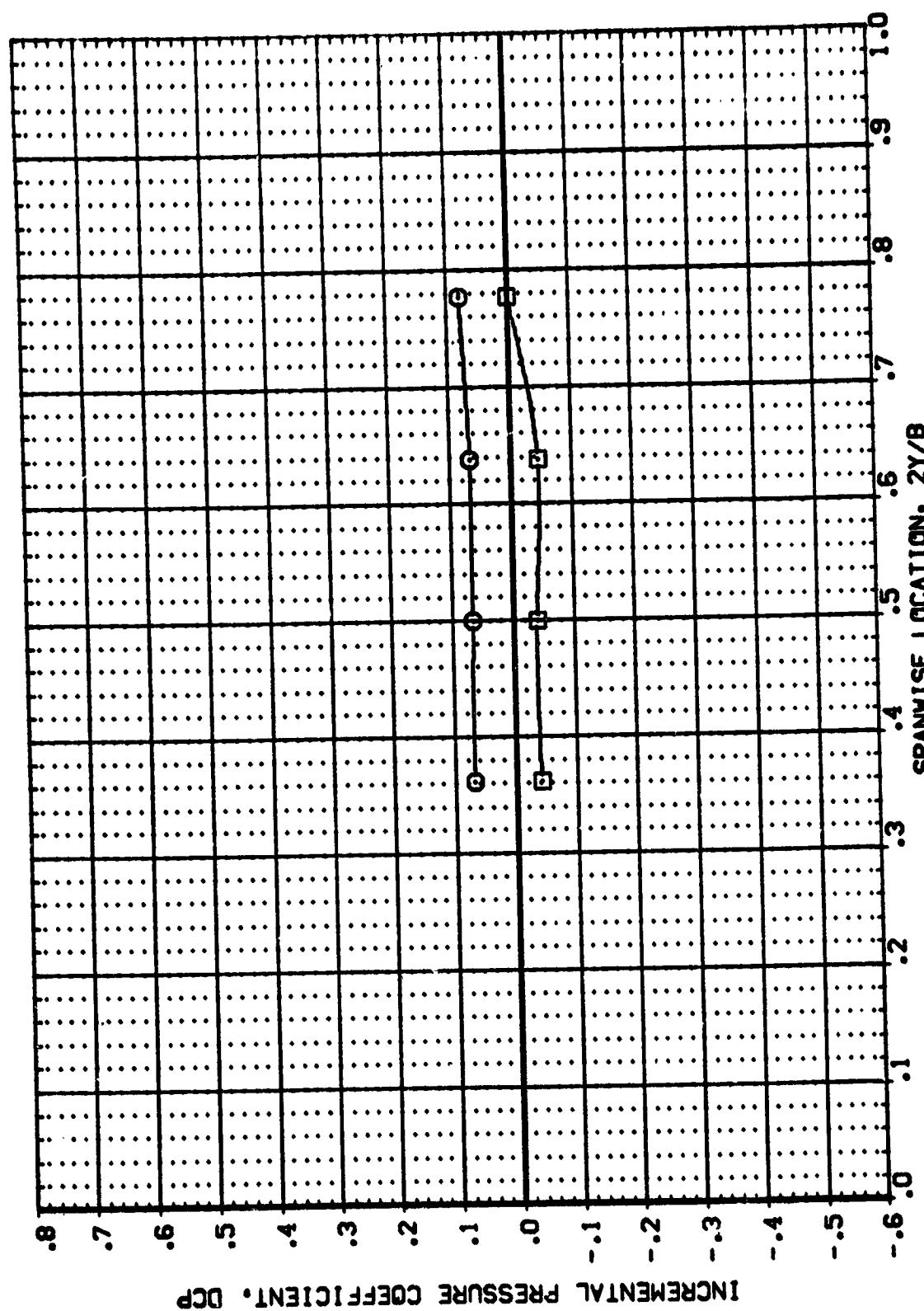


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

FIG 10 SIRCUI DIFFERENTIAL WIND PRESSURE COEFFICIENTS

| | | | | | |
|--------|-------|---------|-------|-------|------|
| MACH = | 1.503 | ALPHA = | 2.010 | X/C = | .500 |
|--------|-------|---------|-------|-------|------|

PAGE 194



DATA SET SYMBOL: 8
 CONFIGURATION DESCRIPTION: 1AGB { C1 F1 M1(1) } - { C1 F1 } UPPER WING
 1AGB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

BETA
 .000
 .000

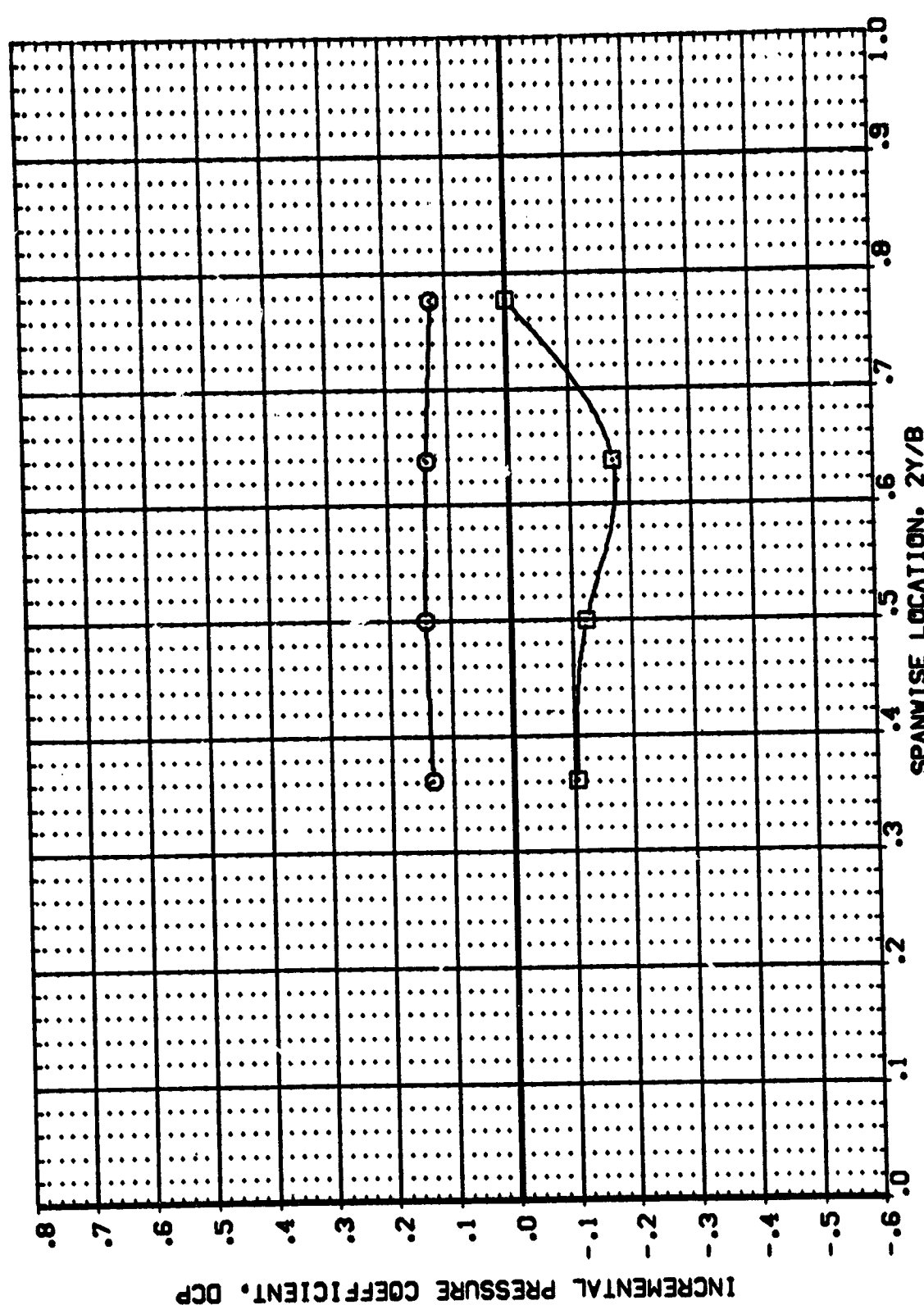


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.503 ALPHA = 4.040 X/C = .500

DATA SET SYMBOL: **AF4U11** } **AF4L11** }
 CONFIGURATION DESCRIPTION: **1A68 { C1 F1 M111 } - { C1 F1 }** } **UPPER WING** }
1A68 { C1 F1 M111 } - { C1 F1 } } **LOWER WING** }

BETA
 .000
 .000

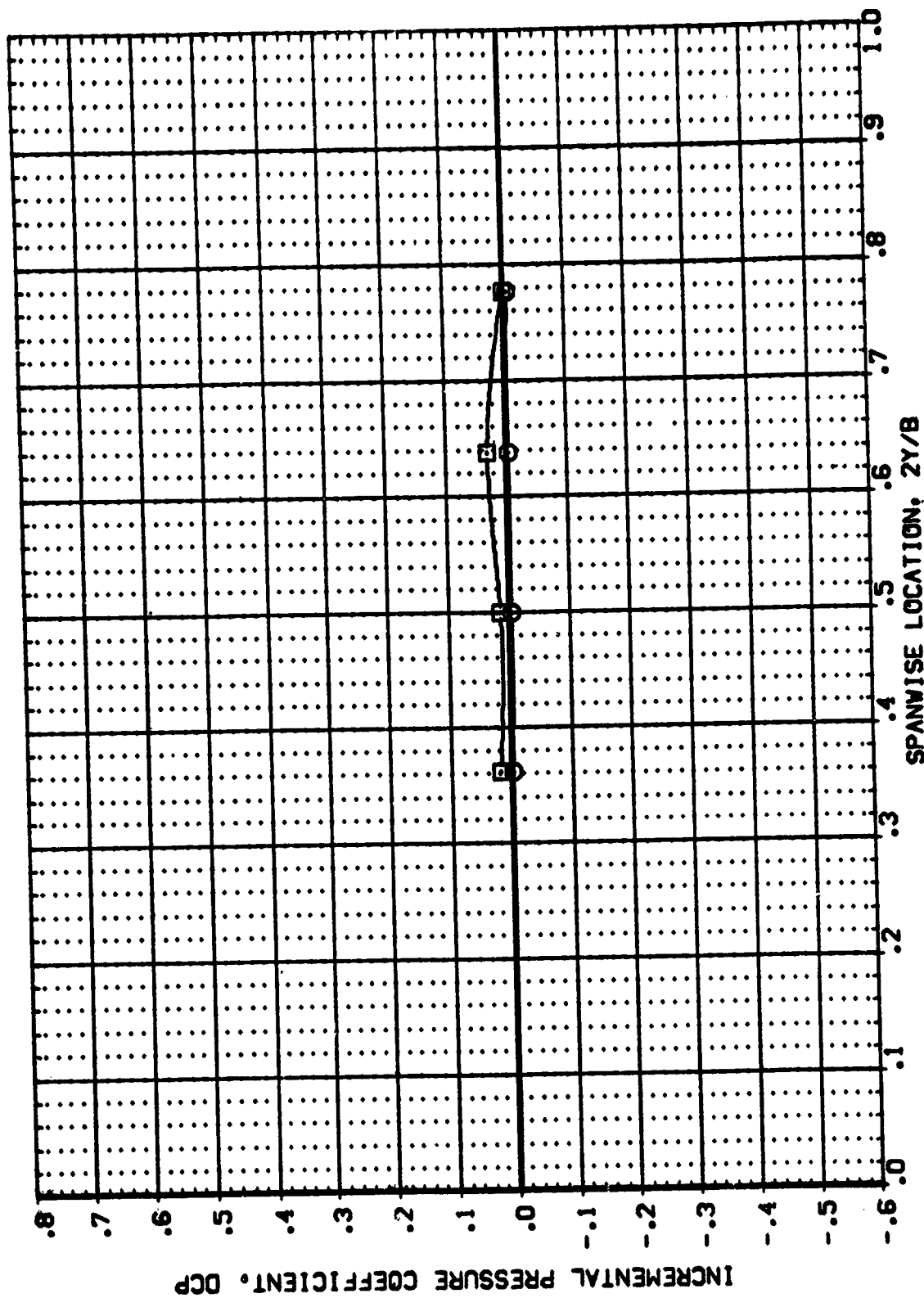


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -3.860 X/C = .500



DATA SET SYMBOL: 01458 { C1 F1 MI(1) } - { C1 F1 } UPPER WING
 01458 { C1 F1 MI(1) } - { C1 F1 } LOWER WING

BETA
 .000
 .000

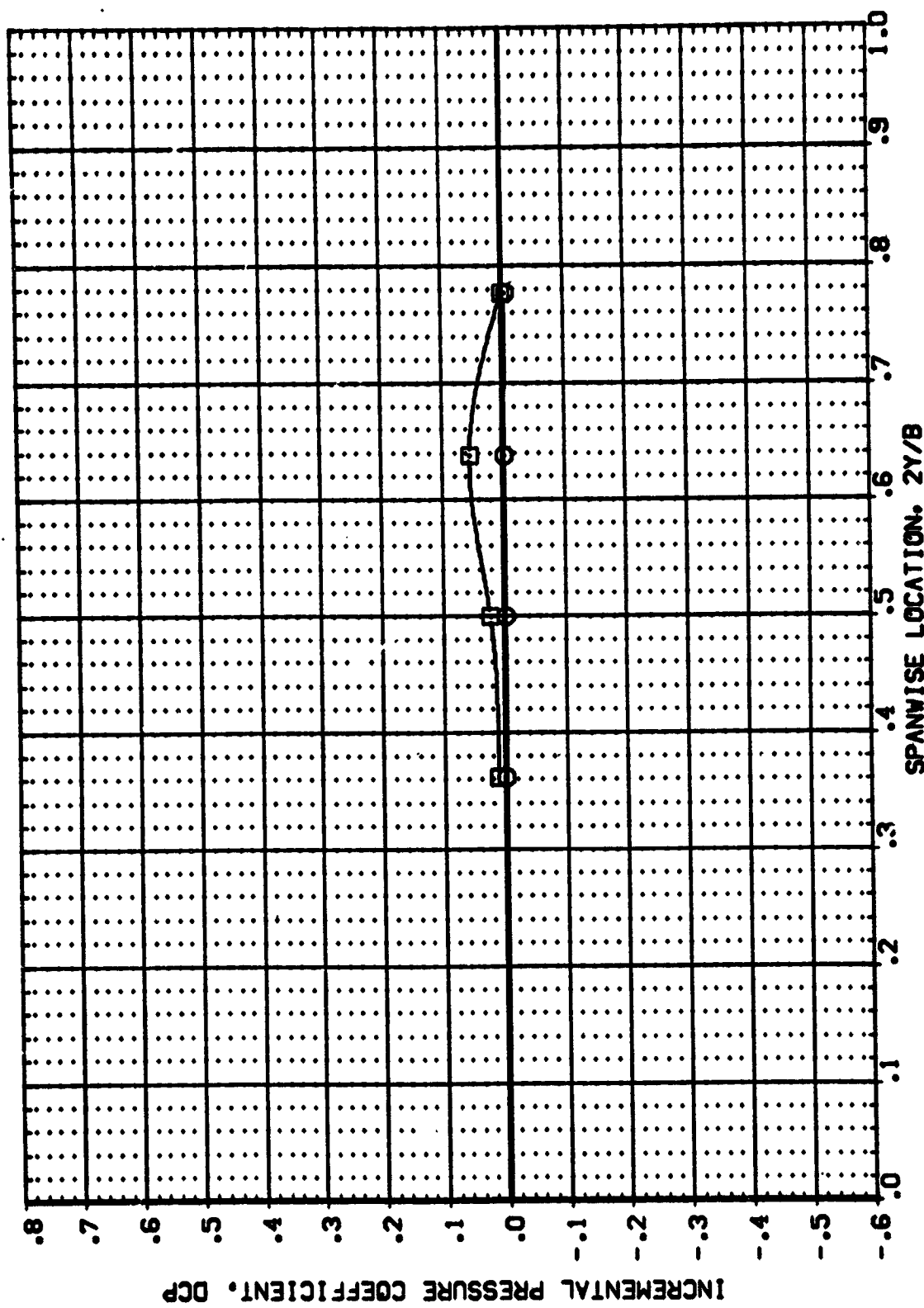


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = -1.940 X/C = .500

BETA 000



FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

| 11010 | | CIRCUIT DIFFERENTIAL MODE | | PAGE 198 | |
|-------|---|---------------------------|-------|----------|------|
| MACH | = | 1.991 | ALPHA | = | .500 |



DATA SET SYMBOL: 9
 CONFIGURATION DESCRIPTION: IASB { C1 F1 M111 } - { C1 F1 } UPPER WING
 IASB { C1 F1 M111 } - { C1 F1 } LOWER WING

BETA
 .000
 .000

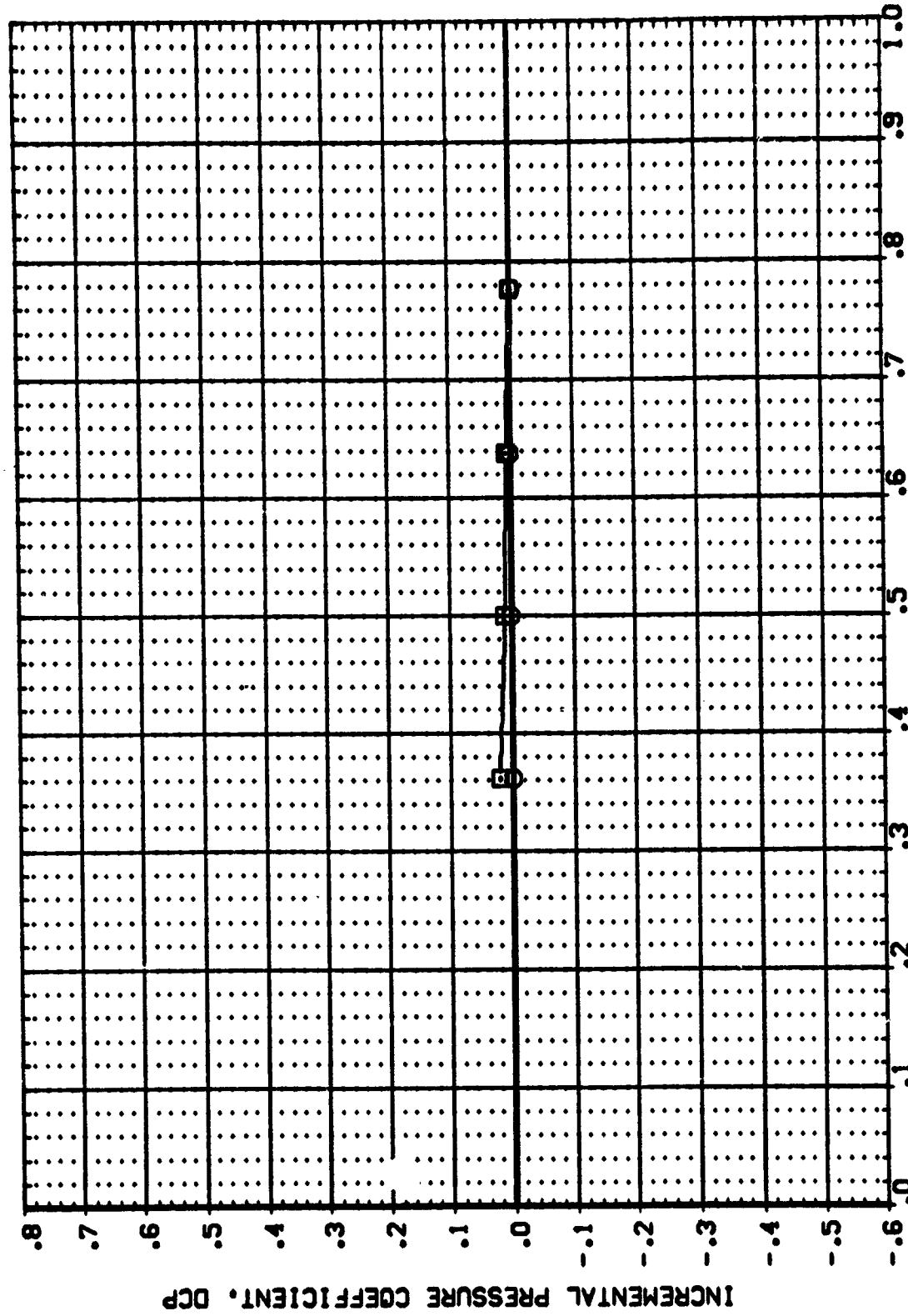


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 1.980 X/C = .500

DATA SET SYMBOL: ☐ [AF4U11] ☐ [AF4L11] CONFIGURATION DESCRIPTION: [AGB { C1 F1 M111 } - { C1 F1 }] UPPER WING [AGB { C1 F1 M111 } - { C1 F1 }] LOWER WING

BETA
.000
.000

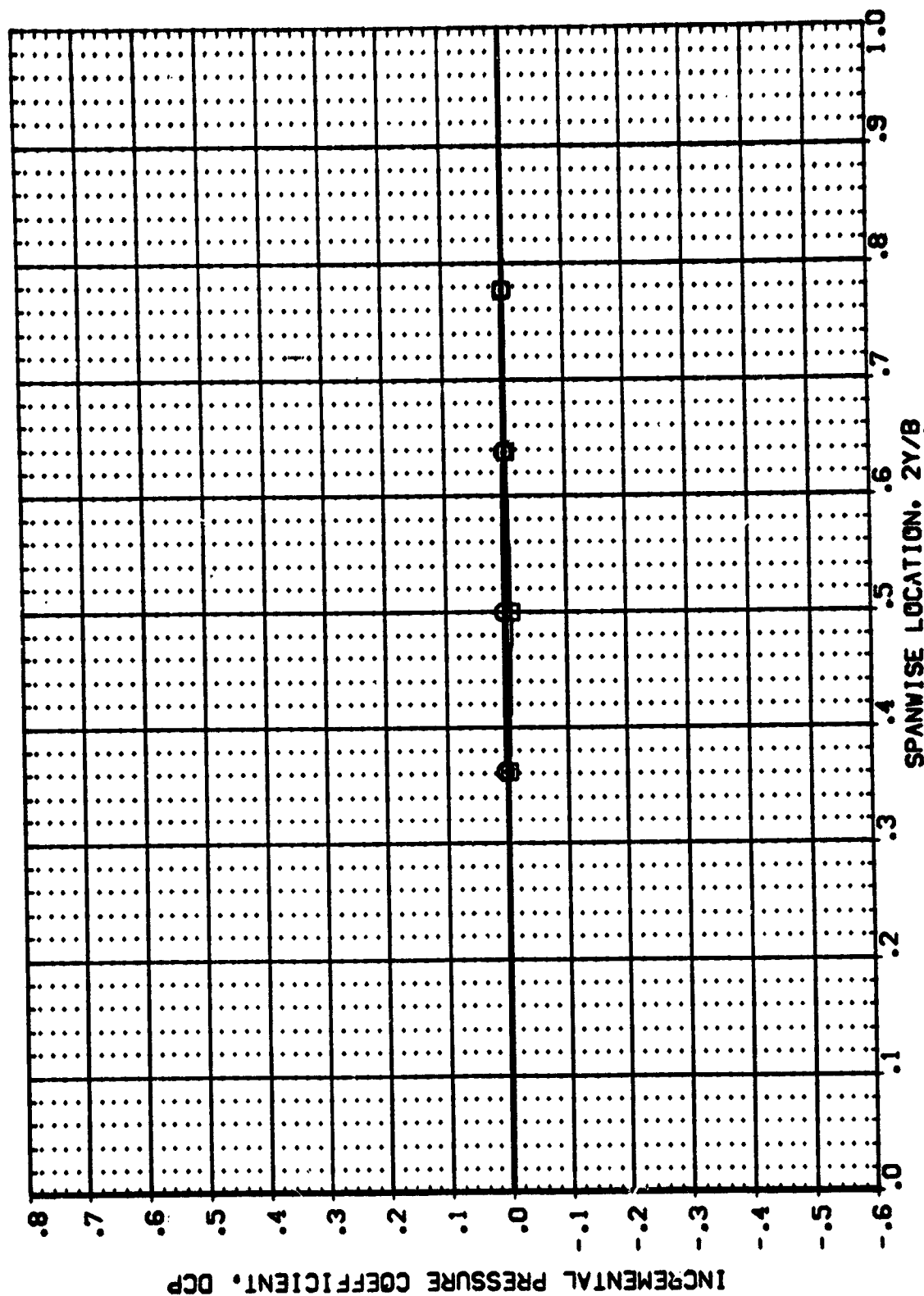


FIG 10 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - ALPHA SWEEPS

MACH = 1.991 ALPHA = 3.910 X/C = .500 PAGE 200



DATA SET SYMBOL: (AF4L05) (AF4L05) ALPHA: .000 .000
 CONFIGURATION DESCRIPTION: IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING
 IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING

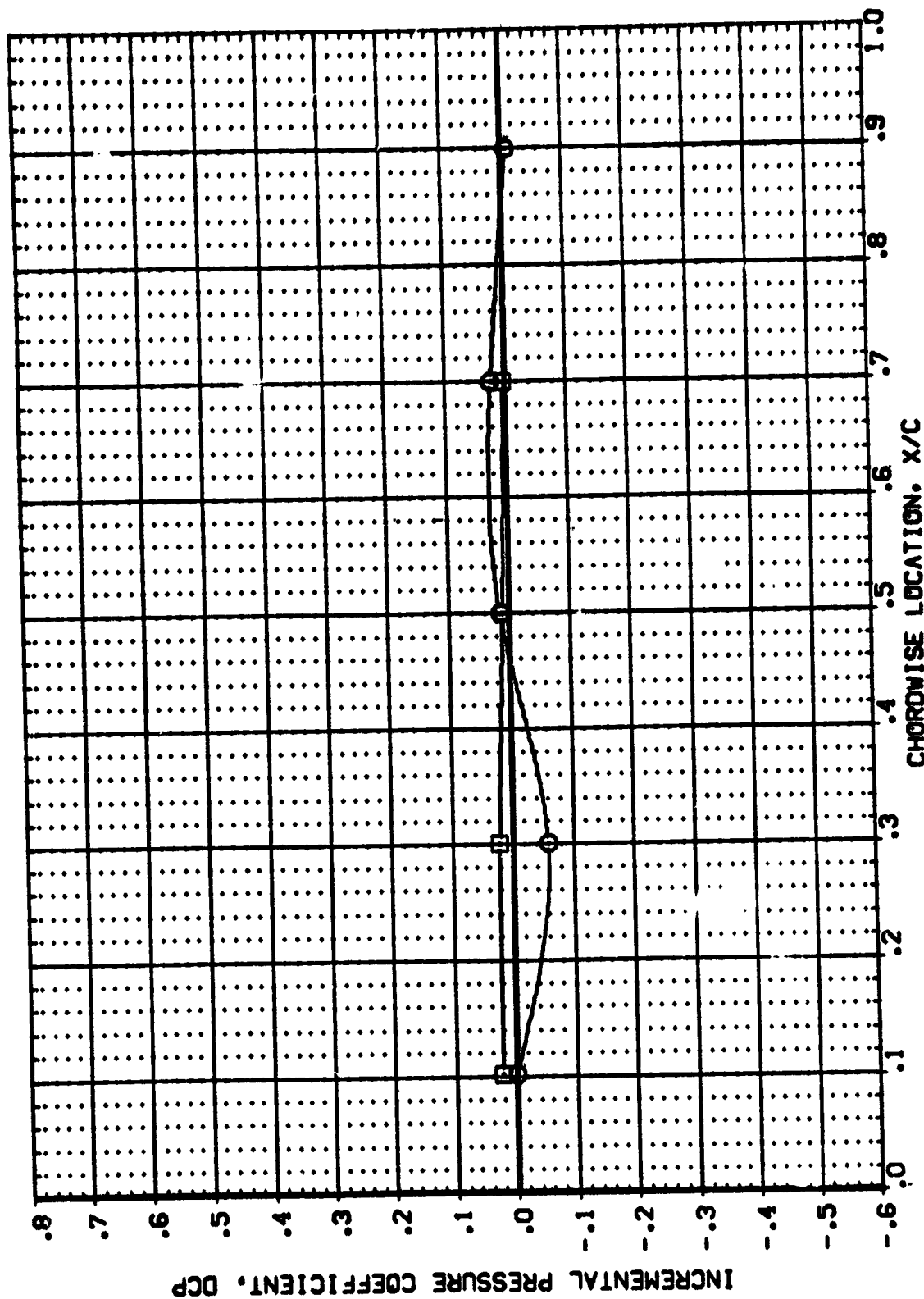


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -3.860 2Y/B = .500

ALPHA
.000
.000

DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: **1A88 { C1 F1 M111 } - { C1 F1 } UPPER WING**
1A88 { C1 F1 M111 } - { C1 F1 } LOWER WING

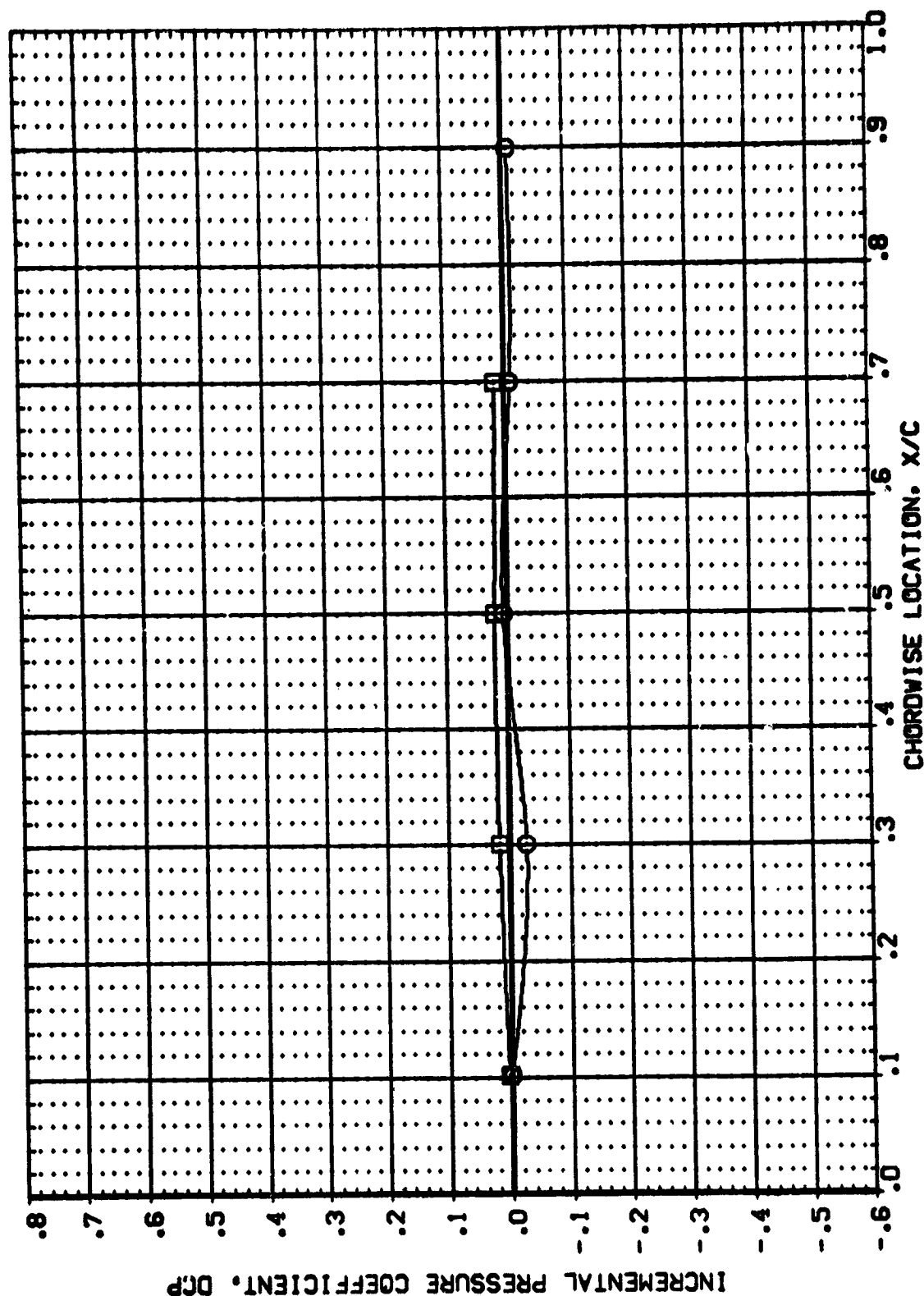


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -1.880 2Y/B = .500 PAGE 202



DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1A68 { C1 F1 M1(1) } - { C1 F1 } UPPER VING**
1A69 { C1 F1 M1(1) } - { C1 F1 } LOWER VING ALPHA: **.000**

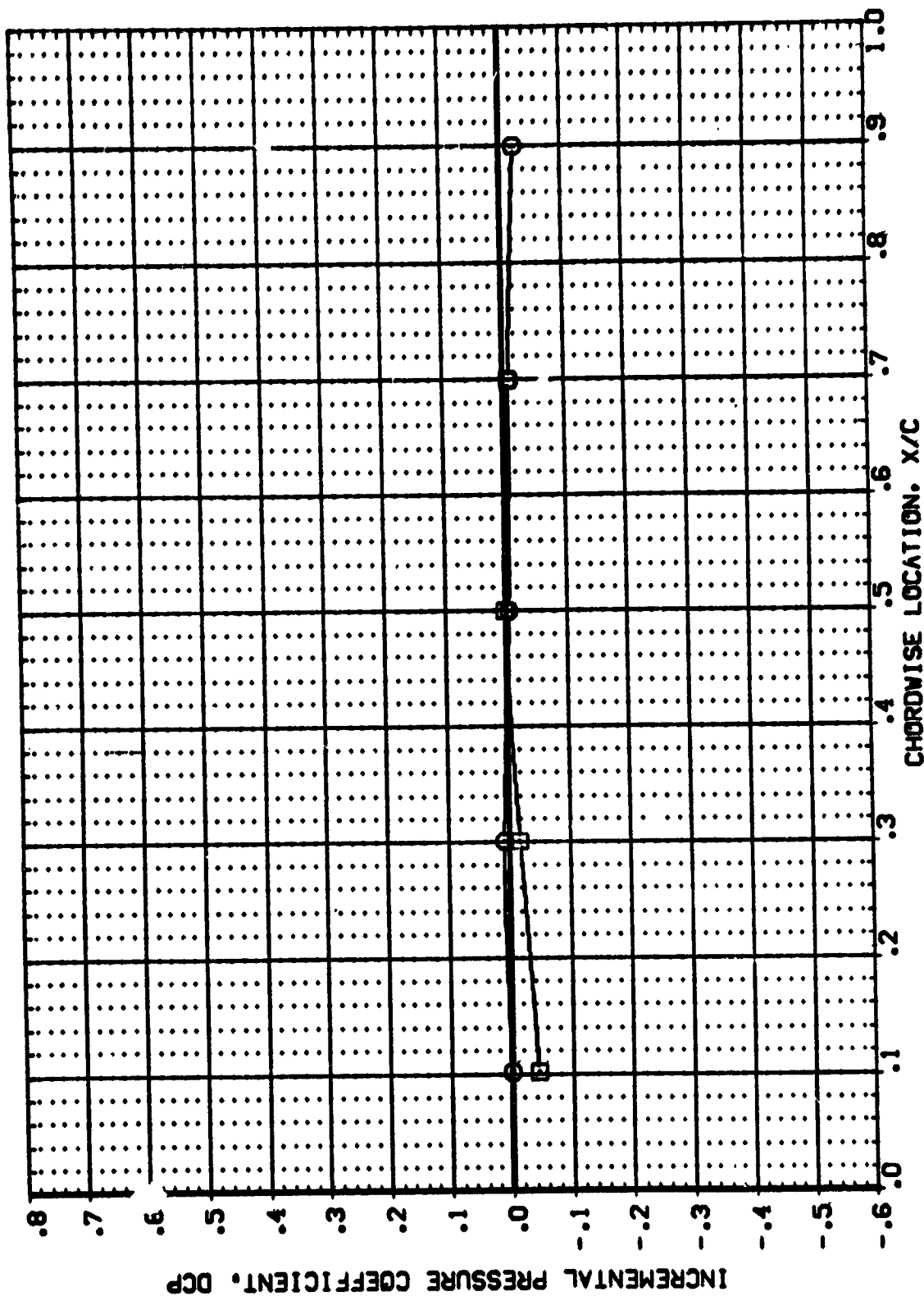


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = .030 2Y/B = .500

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DATA SET SYMBOL: [AF4LOS] CONFIGURATION DESCRIPTION: [AGB [C1 F1 M1]] - [C1 F1] UPPER WING
 [AF4LOS] [AGB [C1 F1 M1]] - [C1 F1] LOWER WING

ALPHA
 .000

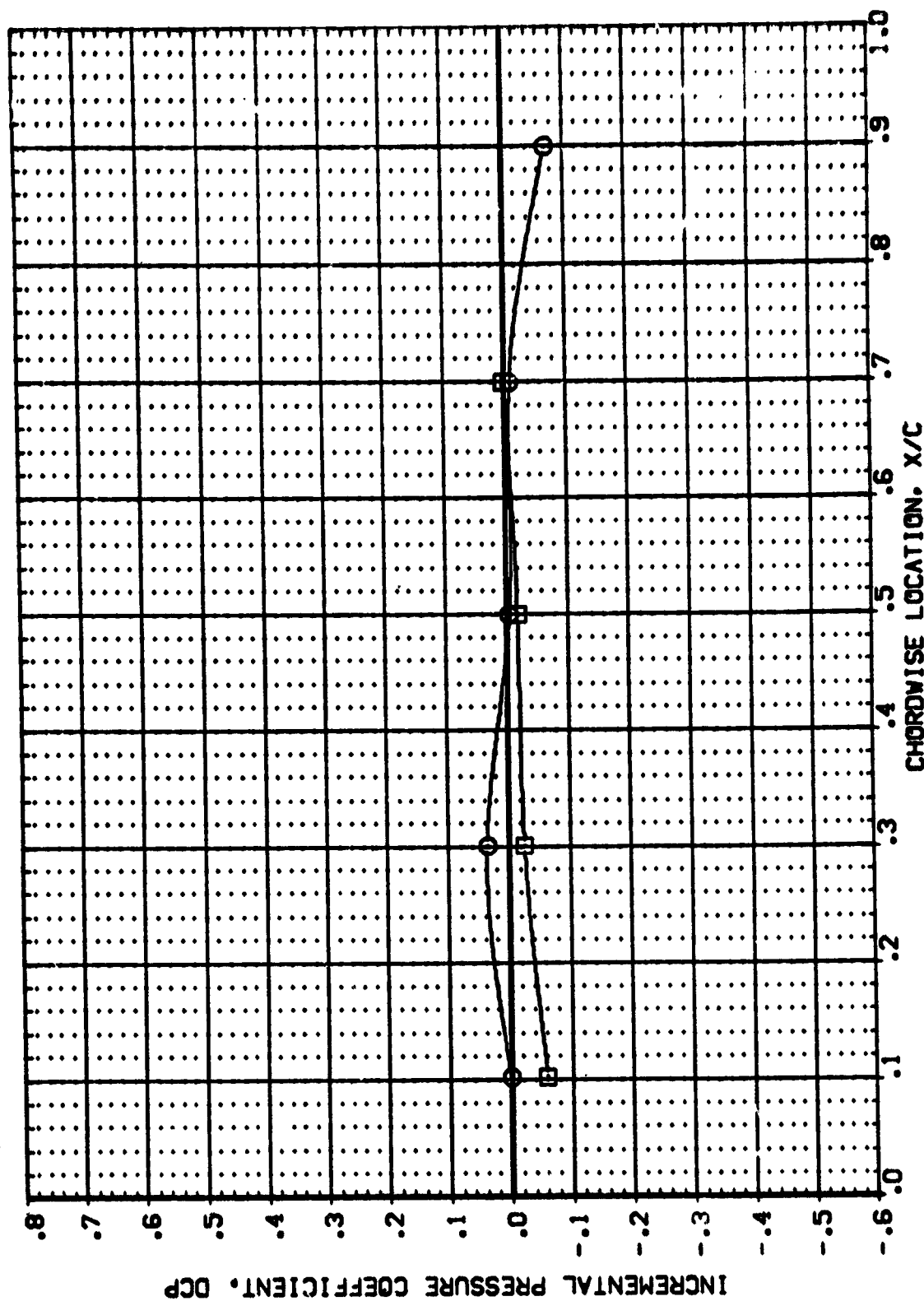


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 1.960 2Y/B = .500 PAGE 204



DATA SET SYMBOL: ☐ IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING
 { AF4L05 } IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING

ALPHA
 .000
 .000

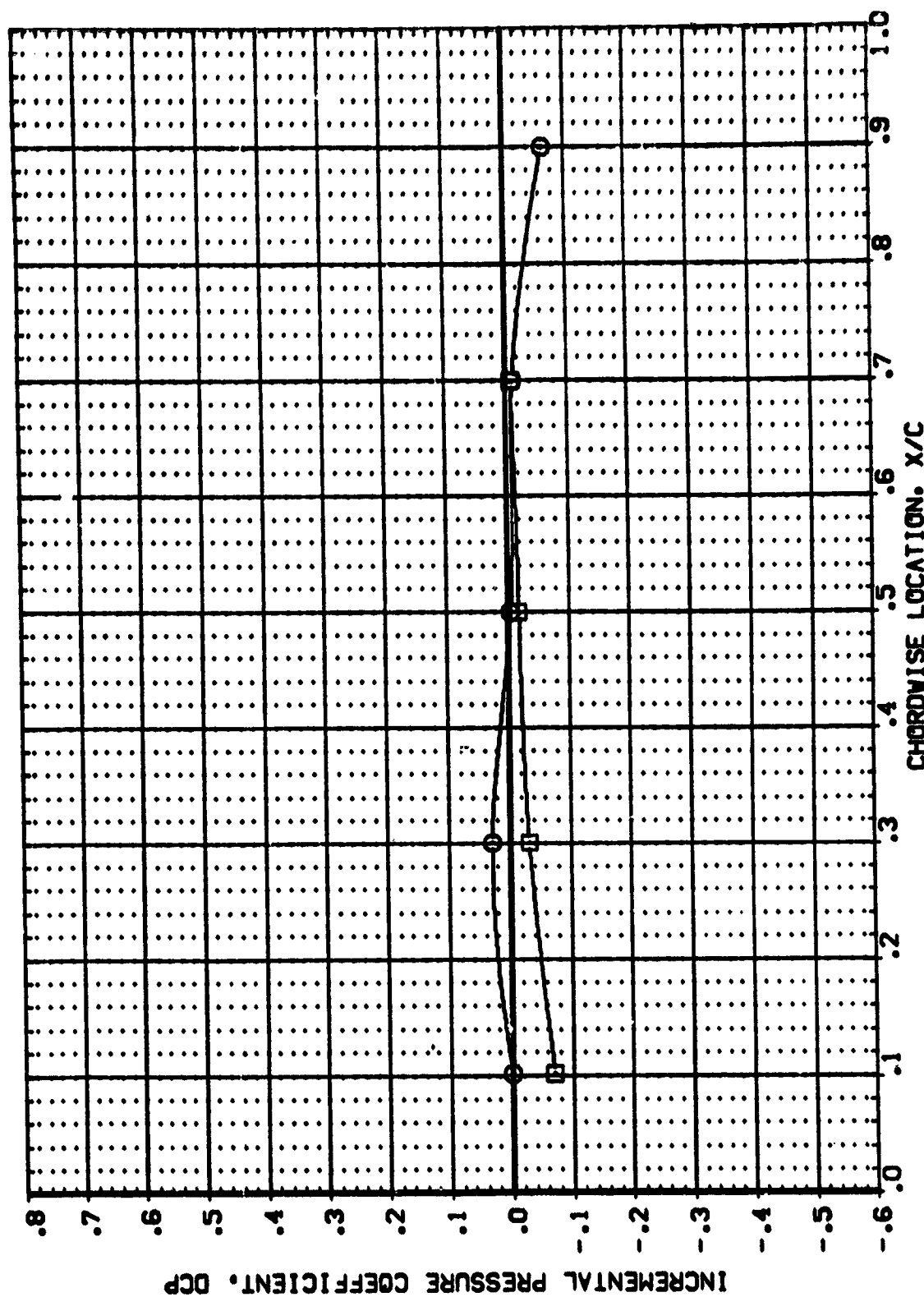


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 3.910 2Y/B = .500

| DATA SET SYMBOL | CONFIGURATION | DESCRIPTION |
|-----------------|---------------------|------------------------|
| (AF4LOS) | IAB8 (C1 F1) M(1) | - (C1 F1) UPPER YING |
| (AF4LOS) | IAB8 (C1 F1) M(1) | - (C1 F1) LOWER YING |

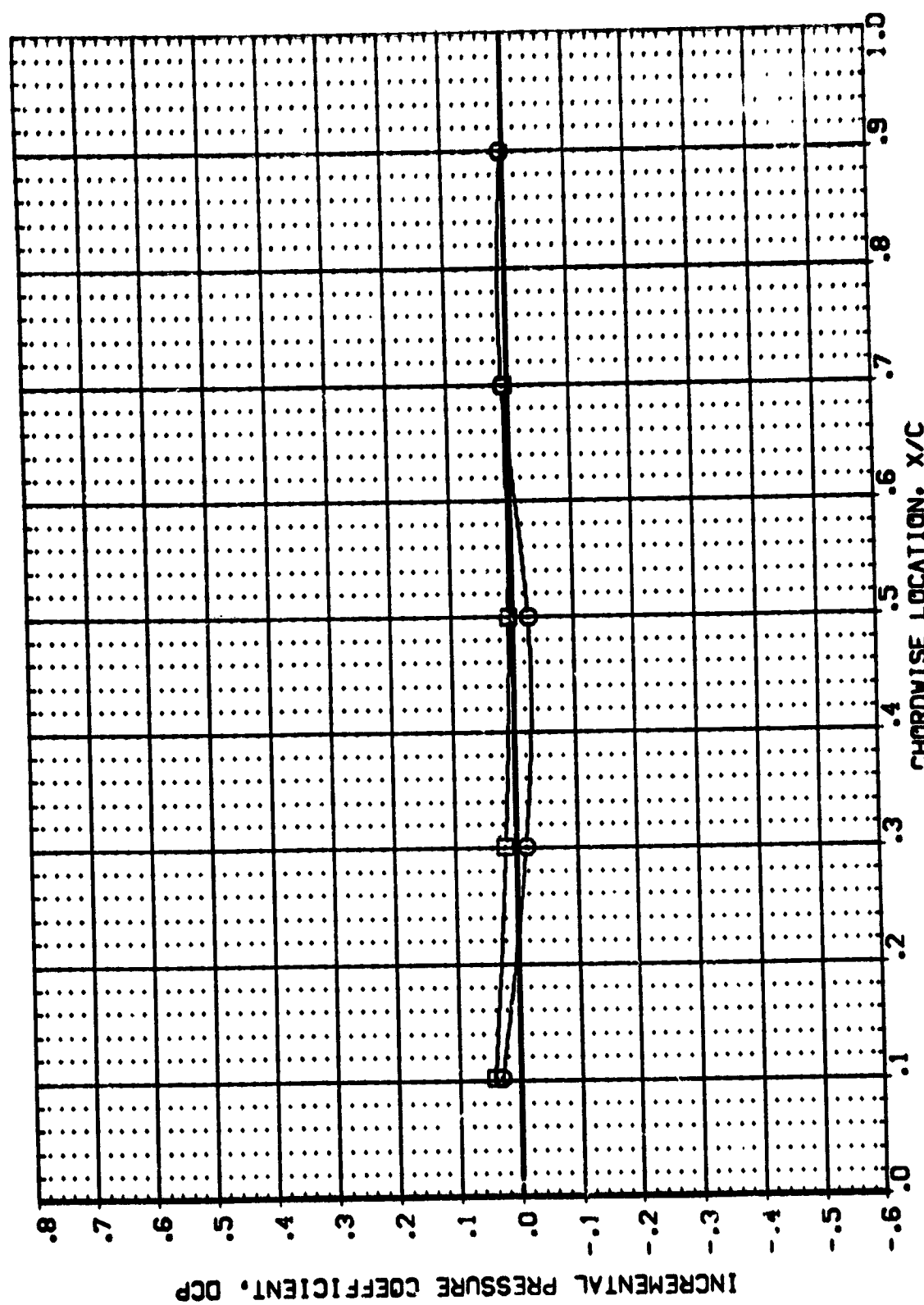


FIG 11
STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

FIG 11 CIRCUIT DIFFERENTIAL WITH FREQUENCY CORRECTION

MACH = 1.209 BETA = -3.860 2Y/B = .500

PAGE 206



ALPHA
.000
.000

DATA SET SYMBOL: [AF4LOS] [AF4LOS]
CONFIGURATION DESCRIPTION: 1A88 { C1 F1 M1(1) } - { C1 F1 } UPPER WING
1A88 { C1 F1 M1(1) } - { C1 F1 } LOWER WING

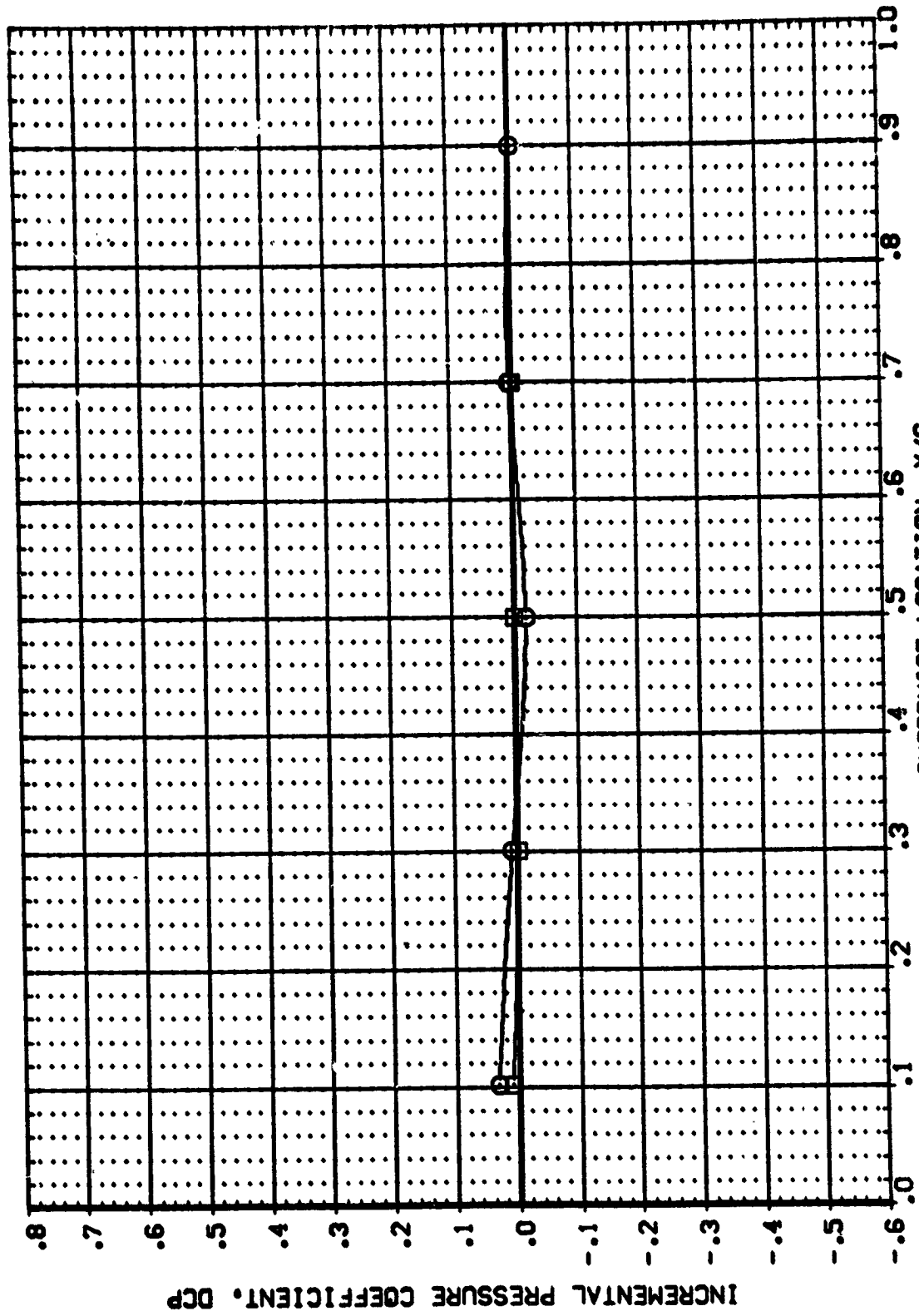


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = -1.950 2Y/B = .500

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET SYMBOL: \square CONFIGURATION DESCRIPTION: 1A68 { C1 F1 M1(1) } - { C1 F1 } UPPER WING
 { AF4L05 } 1A68 { C1 F1 M1(1) } - { C1 F1 } LOWER WING
 ALPHA .000

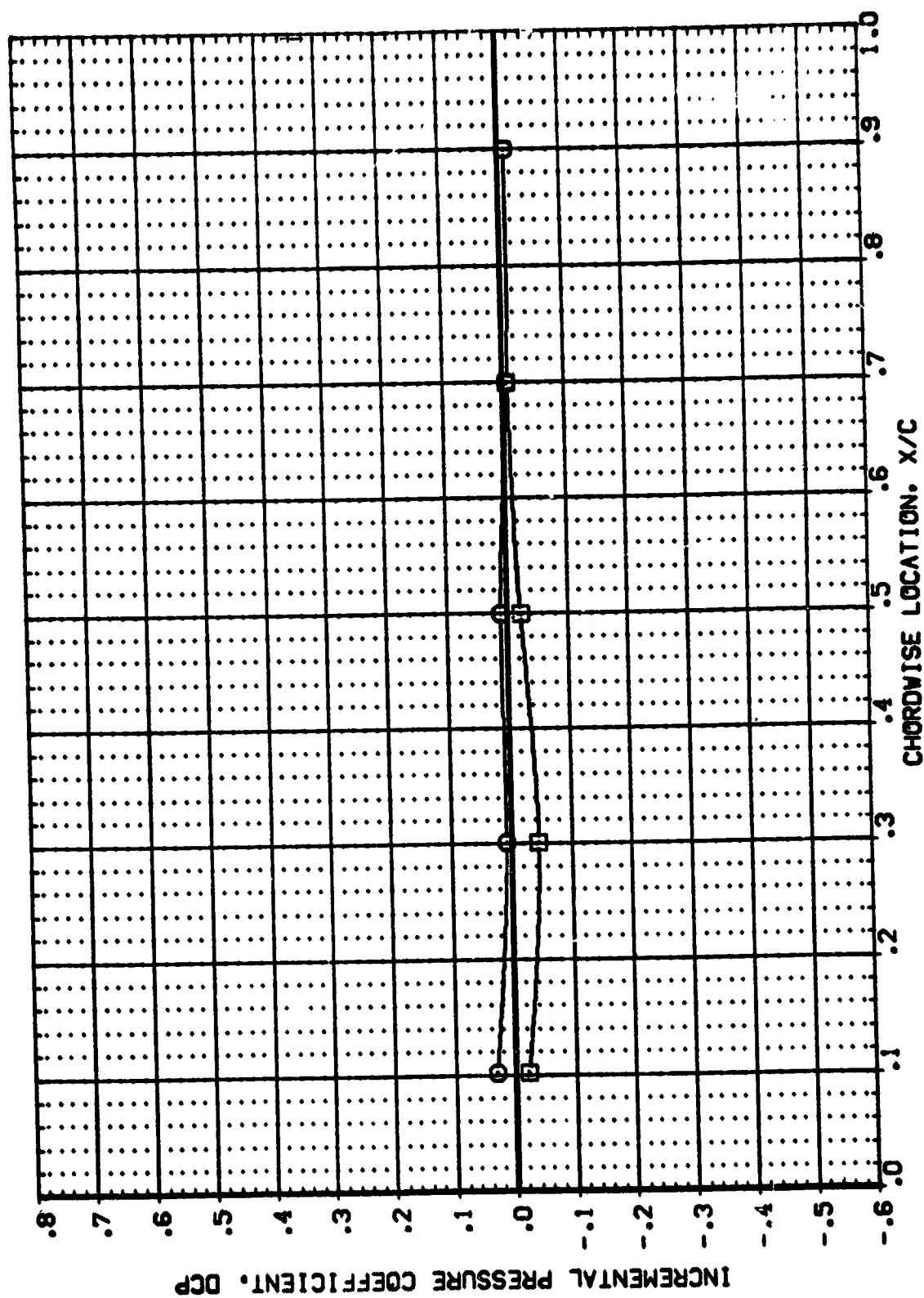


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = -0.040 2Y/B = .500 PAGE 208



ALPHA
.000
.000

DATA SET SYMBOL. CONFIGURATION DESCRIPTION
{AF4LOS} 1A88 {C1 F1 M111} - {C1 F1} UPPER VING
{AF4LOS} 1A88 {C1 F1 M111} - {C1 F1} LOWER VING

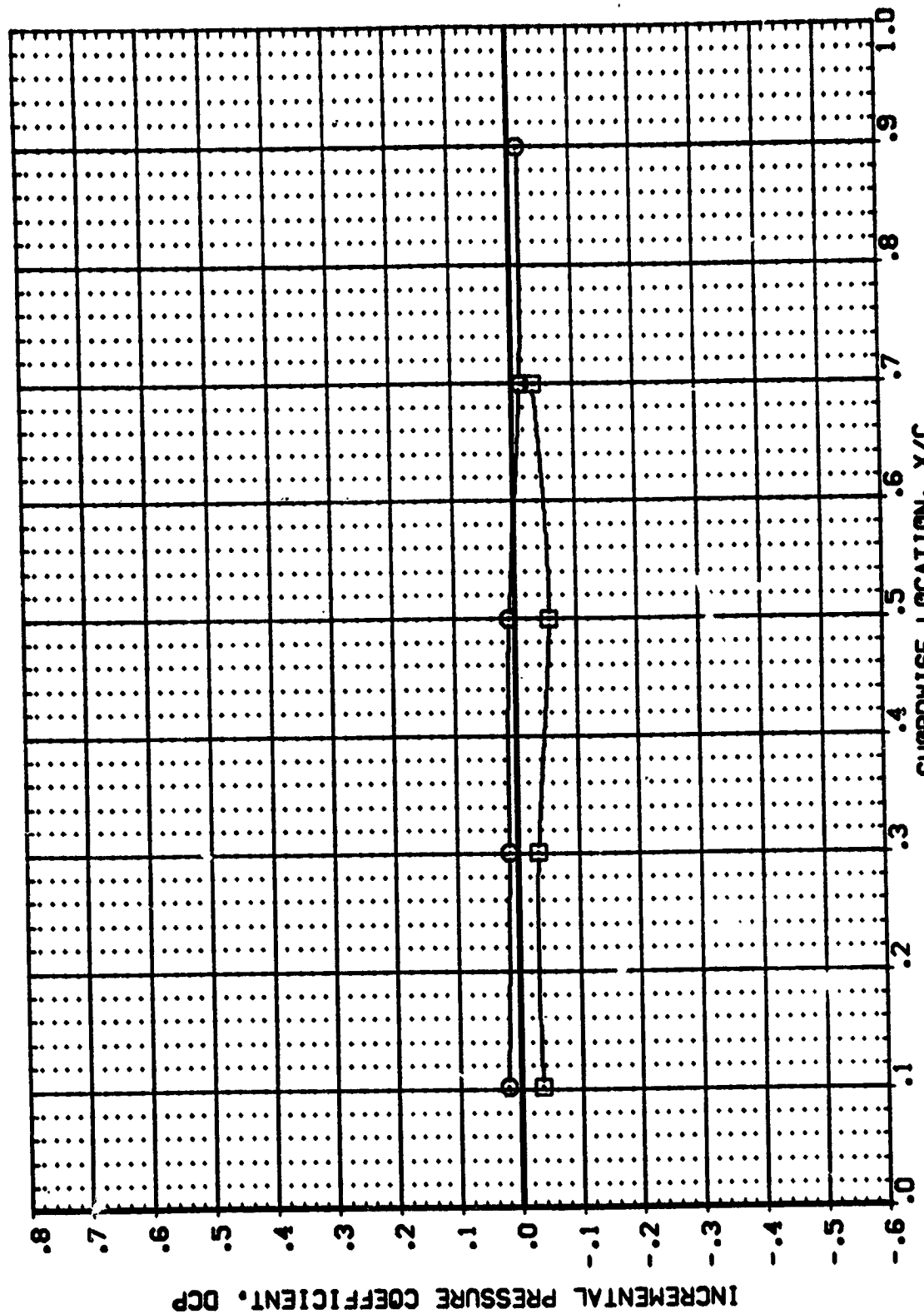


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.203 BETA = 1.870 2Y/B = .500 PAGE 209



DATA SET SYMBOL: **AF4LOS** CONFIGURATION DESCRIPTION: **1A58 { C1 F1 M1(1) } - { C1 F1 } UPPER WING**
1A58 { C1 F1 M1(1) } - { C1 F1 } LOWER WING ALPHA: **.000**

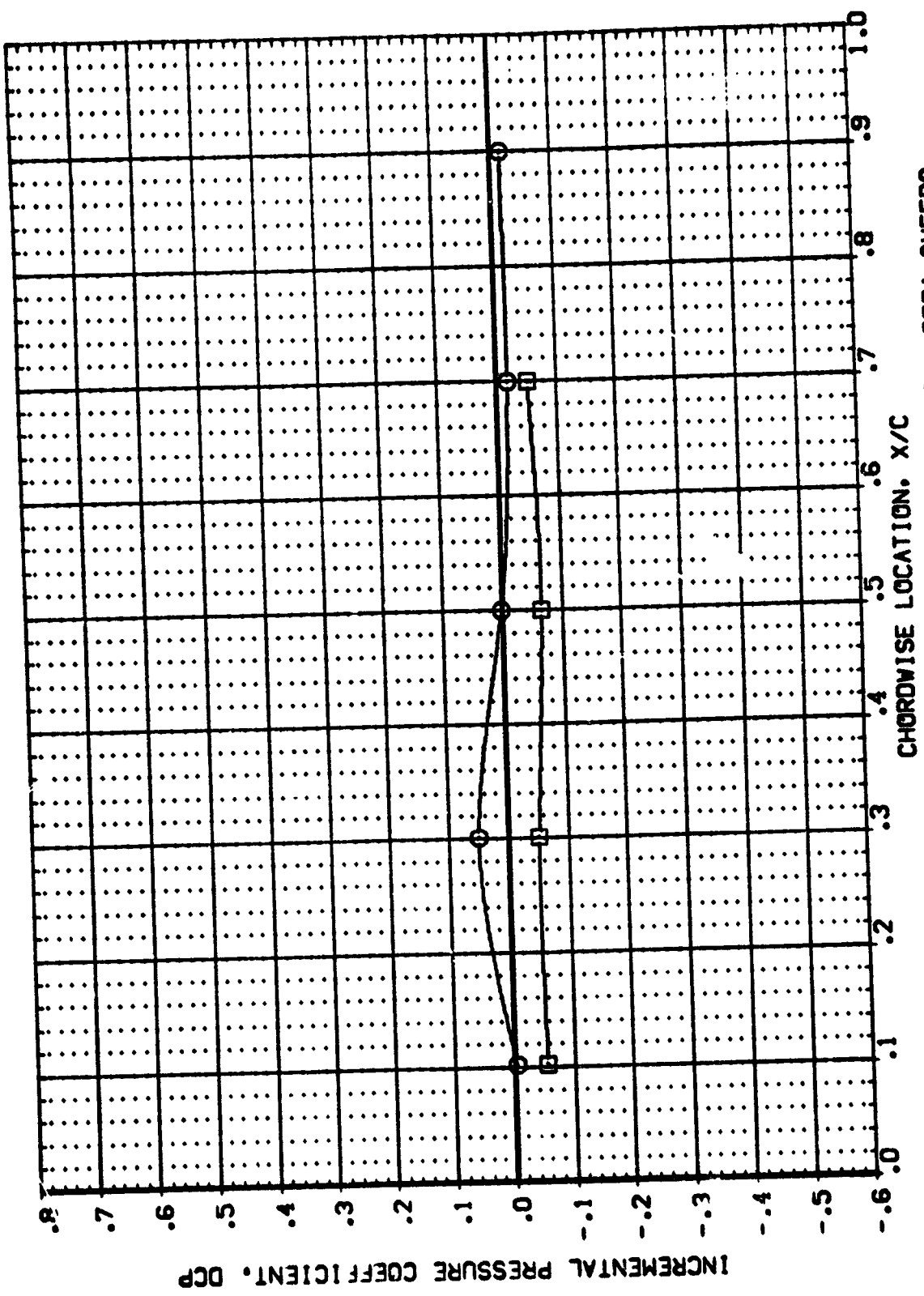


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = 3.920 2Y/B = .500

ALPHA
.000
.000

DATA SET SYMB. CONFIGURATION DESCRIPTION
[AF4UD5] [AGB { C1 F1 M1(1) } - { C1 F1 } UPPER WING
[AF4UD5] [AGB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

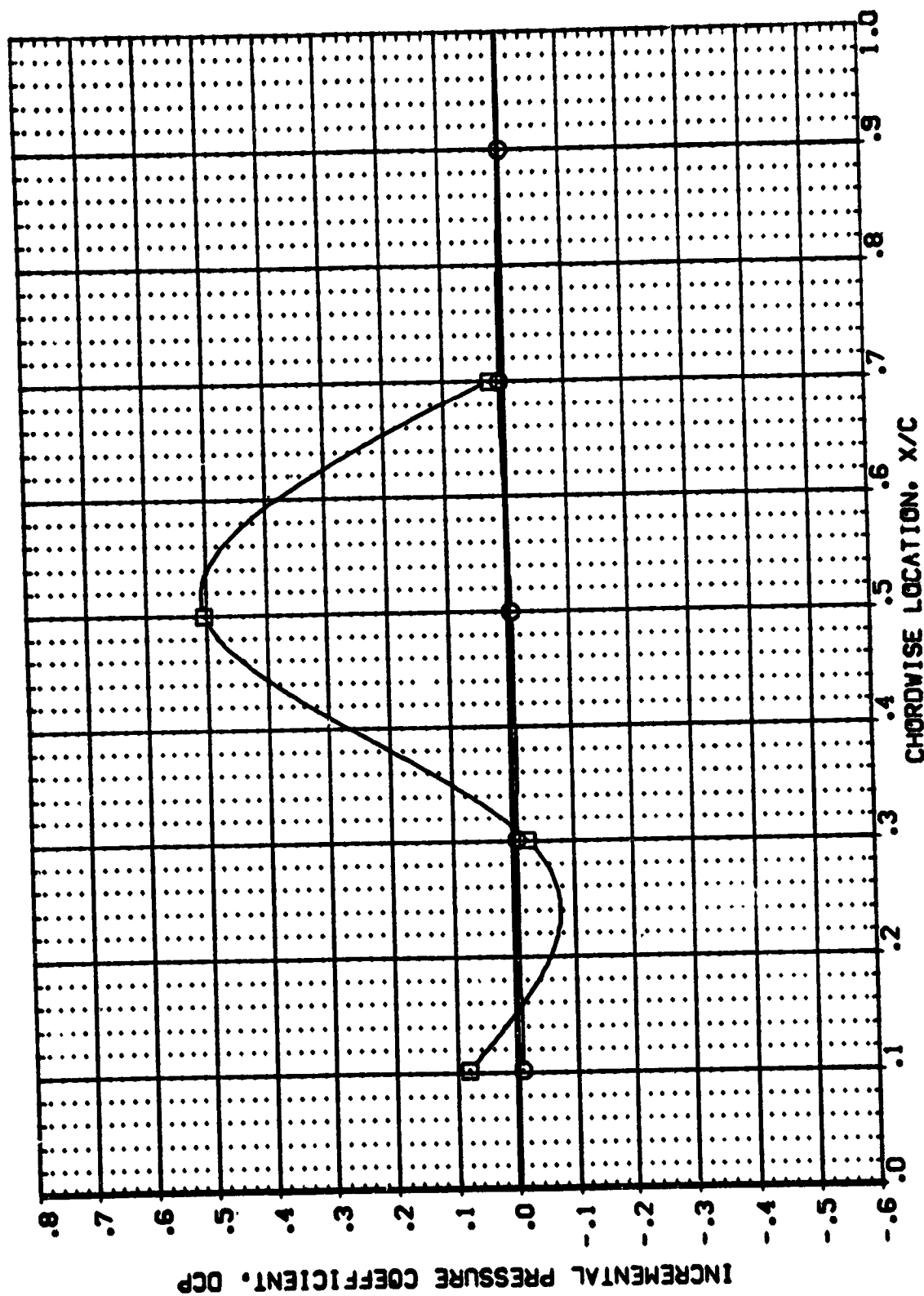


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = -3.970 2Y/B = .500

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ORIGINAL PAGE IS POOR

DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1AGB { C1 F1 M1(1) } - { C1 F1 } UPPER WING**
1ALOS { C1 F1 M1(1) } - { C1 F1 } LOWER WING ALPHA: **.000**
.000

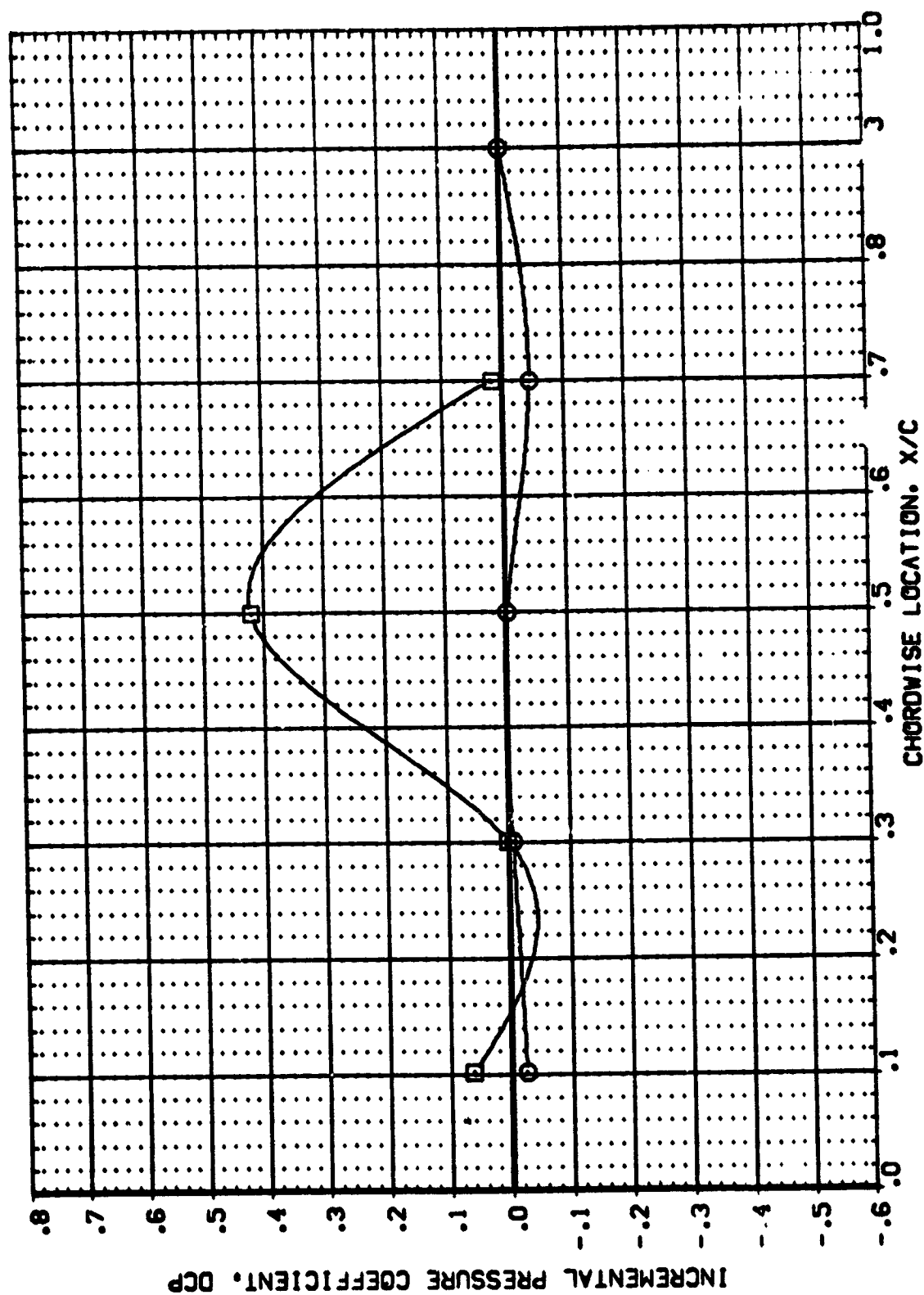


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = -2.050 2Y/B = .500



| DATA SET SYMBOL | CONFIGURATION | DESCRIPTION |
|-----------------|-------------------|-----------------------|
| (AF405) | IAGB (C) FI MI(1) | - (C) FI } UPPER VING |
| (AF405) | IAGB (C) FI MI(1) | - (C) FI } LOWER VING |

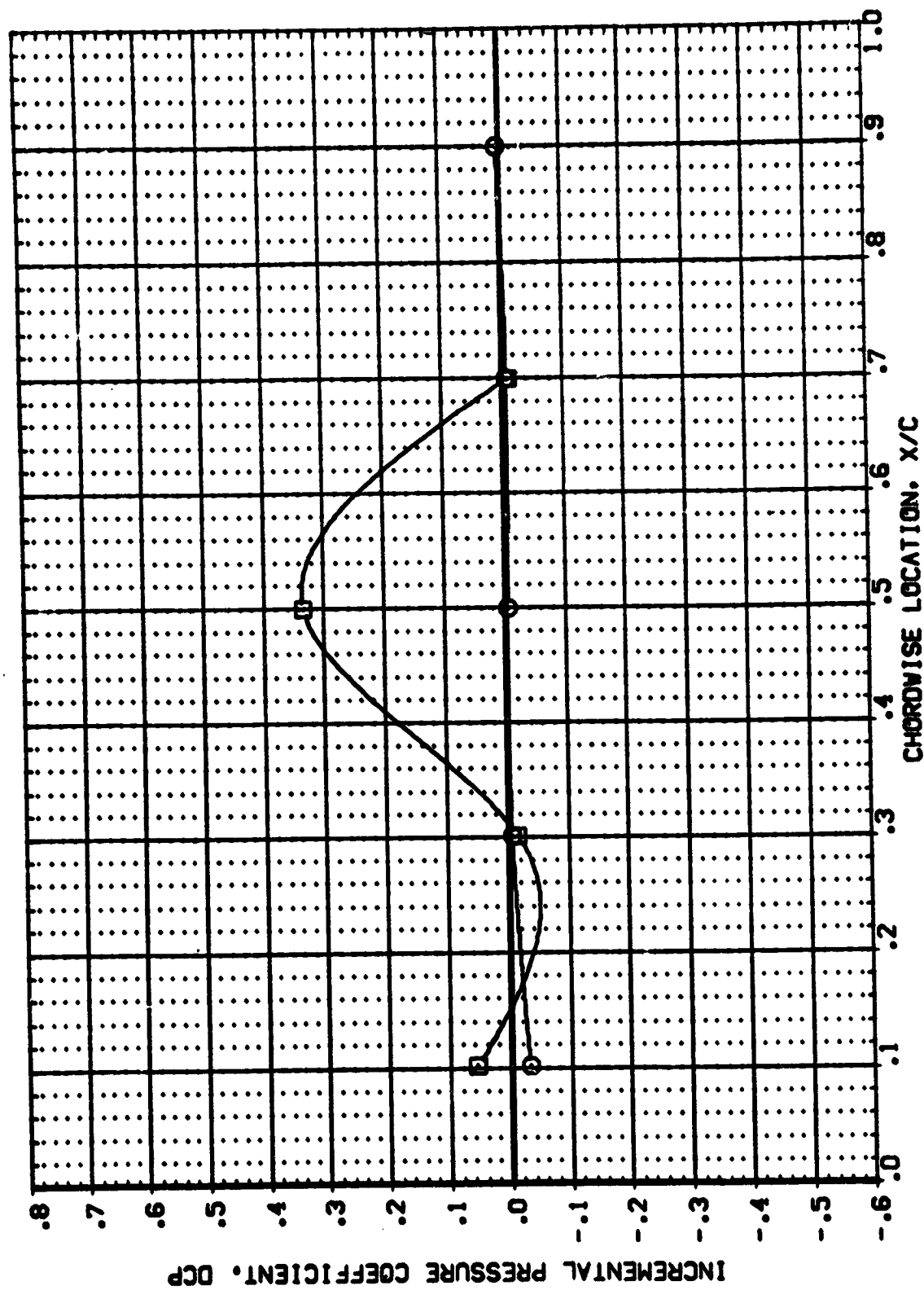


FIG 11
STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

$$MAC_H = 1.503 \quad BETA = -.130 \quad 2Y/B = .500$$

ALPHA
.000
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
[AFALOS] [AGB { C1 F1 M1(1) } - { C1 F1 } UPPER WING
[AFALOS] [AGB { C1 F1 M1(1) } - { C1 F1 } LOWER WING

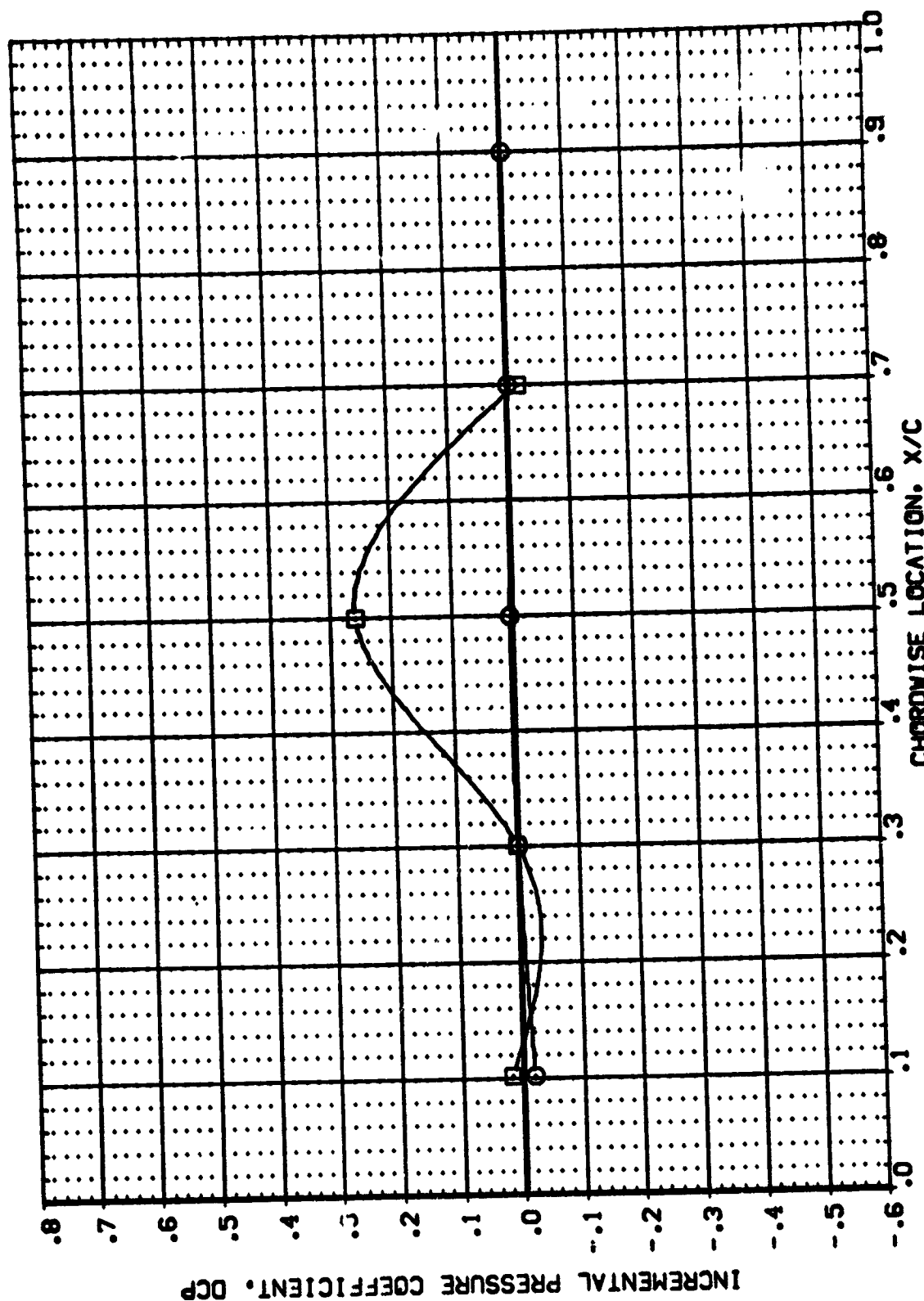


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = 1.800 2Y/B = .500 PAGE 214



DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA

[AF4LOS] [AGB { C1 F1 M1(1) } - { C1 F1 } UPPER WING] .000

[AF4LOS] [AGB { C1 F1 M1(1) } - { C1 F1 } LOWER WING] .000

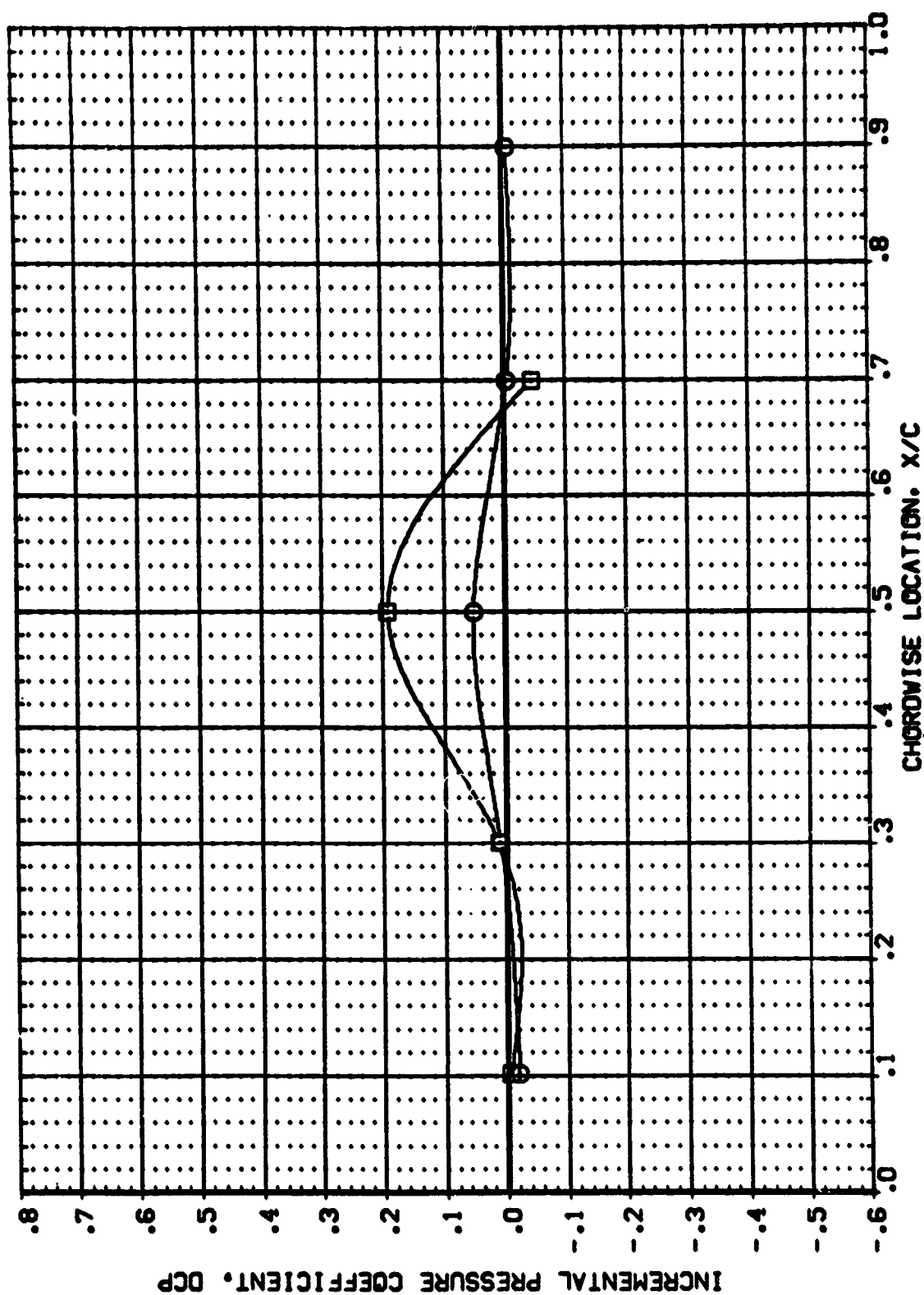


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = 3.840 2Y/B = .500

ALPHA
-0.000
-0.000

DATA SET SYMBO. CONFIGURATION DESCRIPTION
{ AF4LOS } 1A88 { C1 F1 M1(1) } - { C1 F1 } UPPER VING
{ AF4LOS } 1A88 { C1 F1 M1(1) } - { C1 F1 } LOWER VING

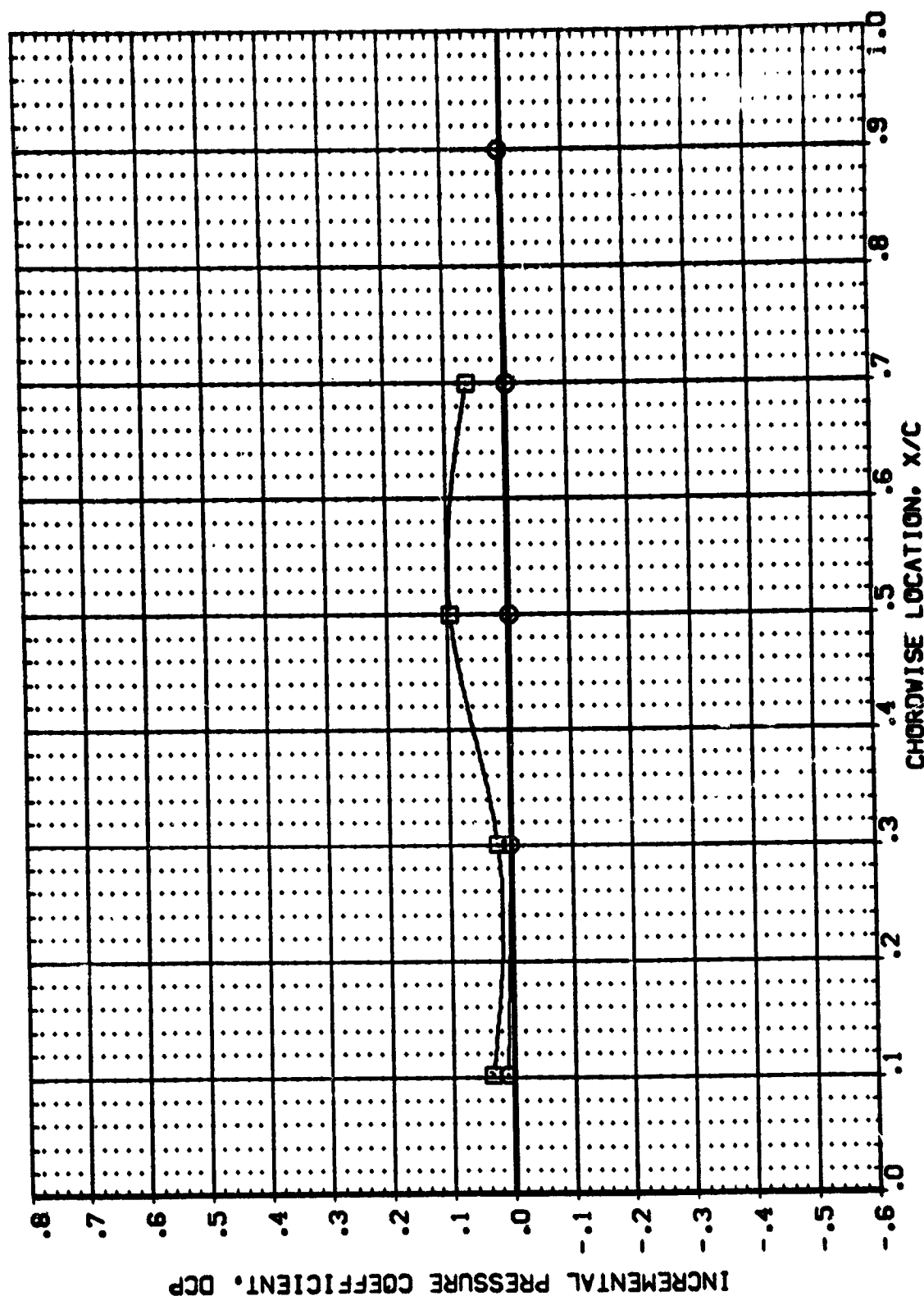


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = -3.790 2Y/B = .500 PAGE 216



| DATA SET SYMBOL | CONFIGURATION | DESCRIPTION |
|-----------------|----------------------|------------------------|
| (AF405) | 1A88 (C1 F1 M1(1)) | - (C1 F1) UPPER VING |
| (AF406) | 1A88 (C1 F1 M1(1)) | - (C1 F1) LOWER VING |

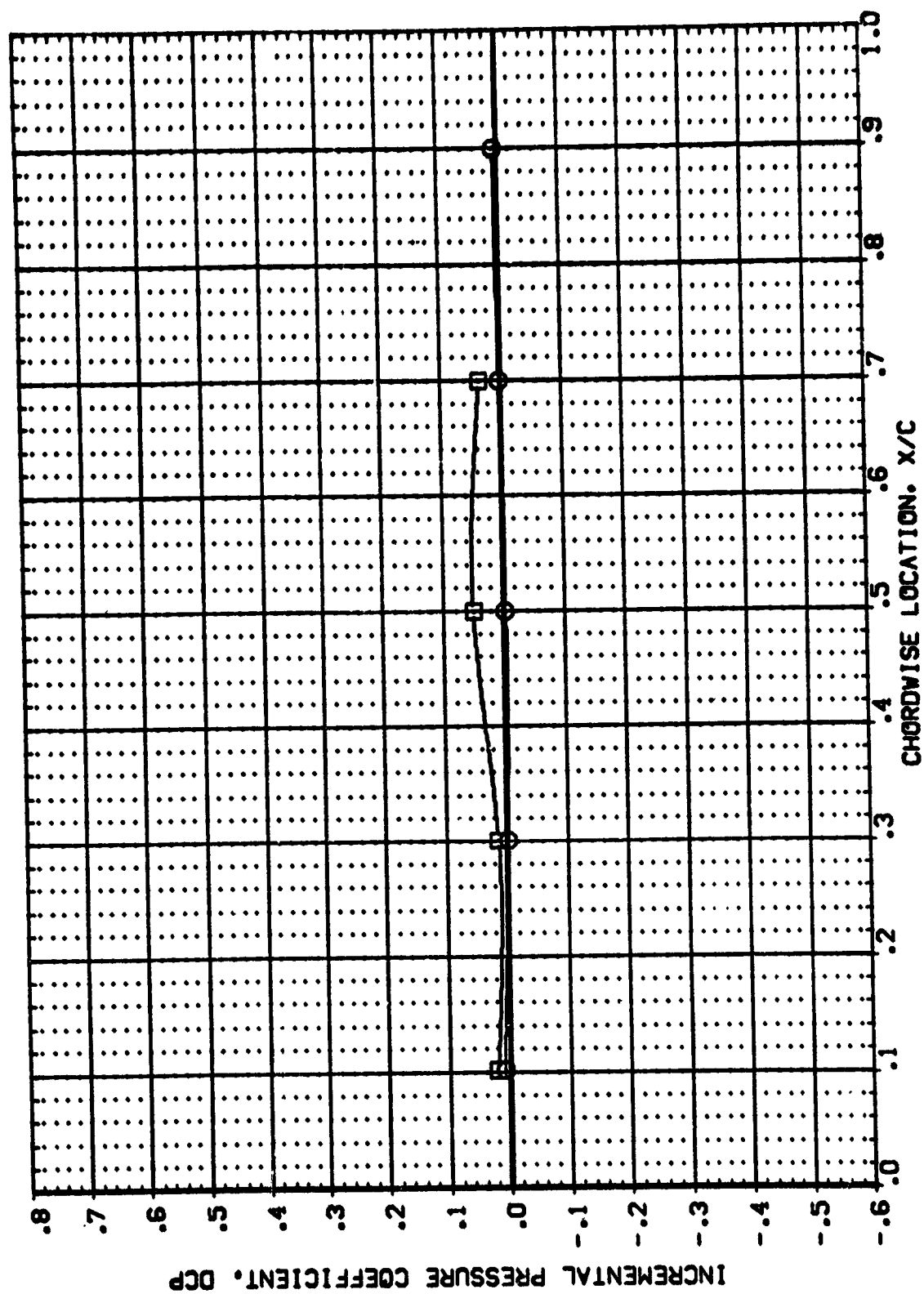


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

FIG 11

| | | | | | | | | |
|------|---|-------|------|---|--------|------|---|------|
| MACH | = | 1.991 | BETA | = | -1.870 | 2Y/B | = | .500 |
|------|---|-------|------|---|--------|------|---|------|

ALPHA
.000
.000

DATA SET SYMBOL: ☐ 1A68 { C1 F1 M(1) } - { C1 F1 } UPPER WING
☐ 1A68 { C1 F1 M(1) } - { C1 F1 } LOWER WING

CONFIGURATION DESCRIPTION

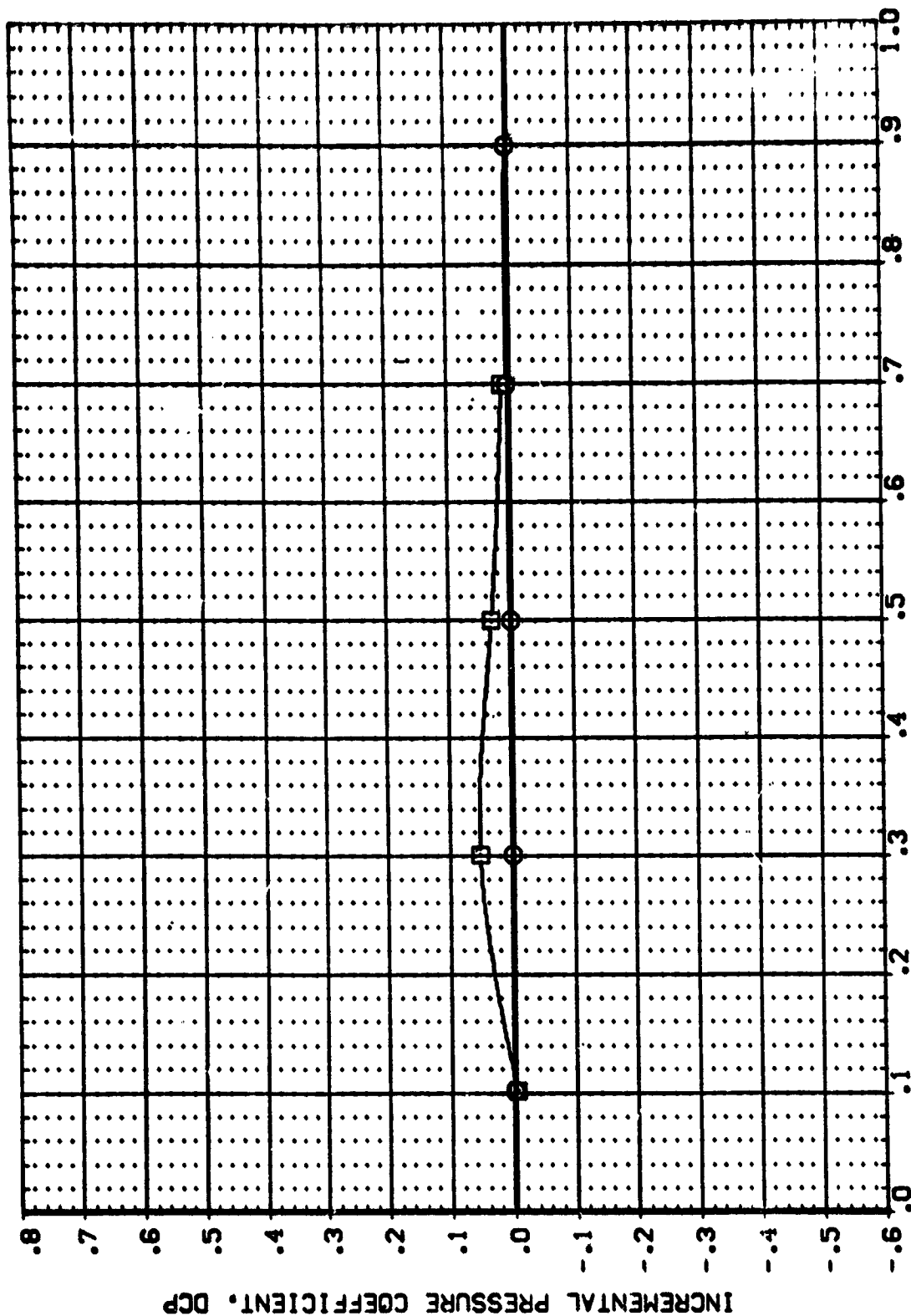


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = -.010 2Y/B = .500



ALPHA
.000
.000

DATA SET SYMBOL: 9
 {AF4LOS} {AF4LOS}
 {AF4LOS} {AF4LOS}

CONFIGURATION DESCRIPTION
 {C1 F1 M1(1)} - {C1 F1} UPPER WING
 {C1 F1 M1(1)} - {C1 F1} LOWER WING

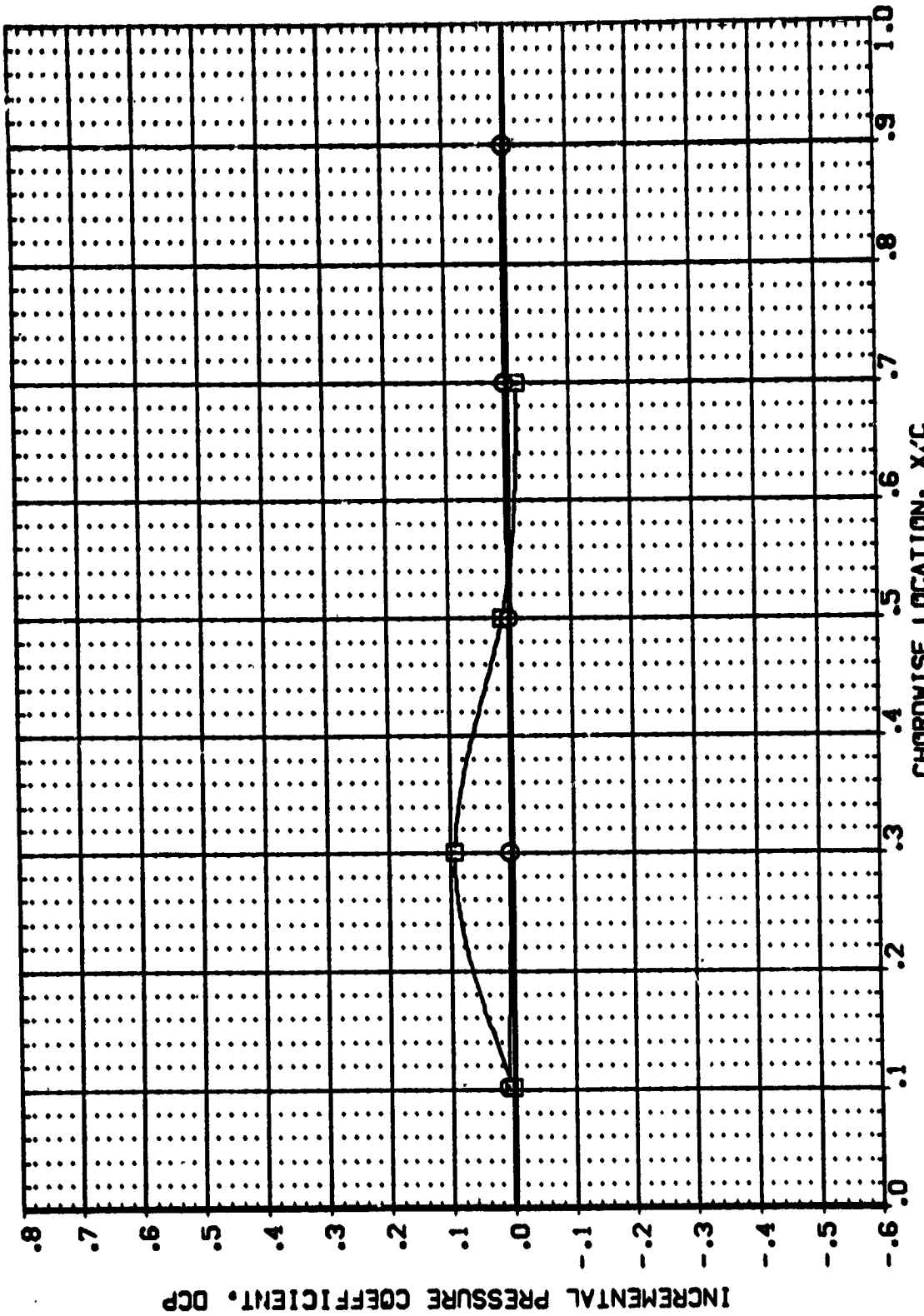


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 1.950 2Y/B = .500

DATA SET SYMBOL: [AF4LOS] [AF4LOS] ALPHA .000 .000
 CONFIGURATION DESCRIPTION: IASB { C1 F1 MI(1) } - { C1 F1 } UPPER WING
 IASB { C1 F1 MI(1) } - { C1 F1 } LOWER WING

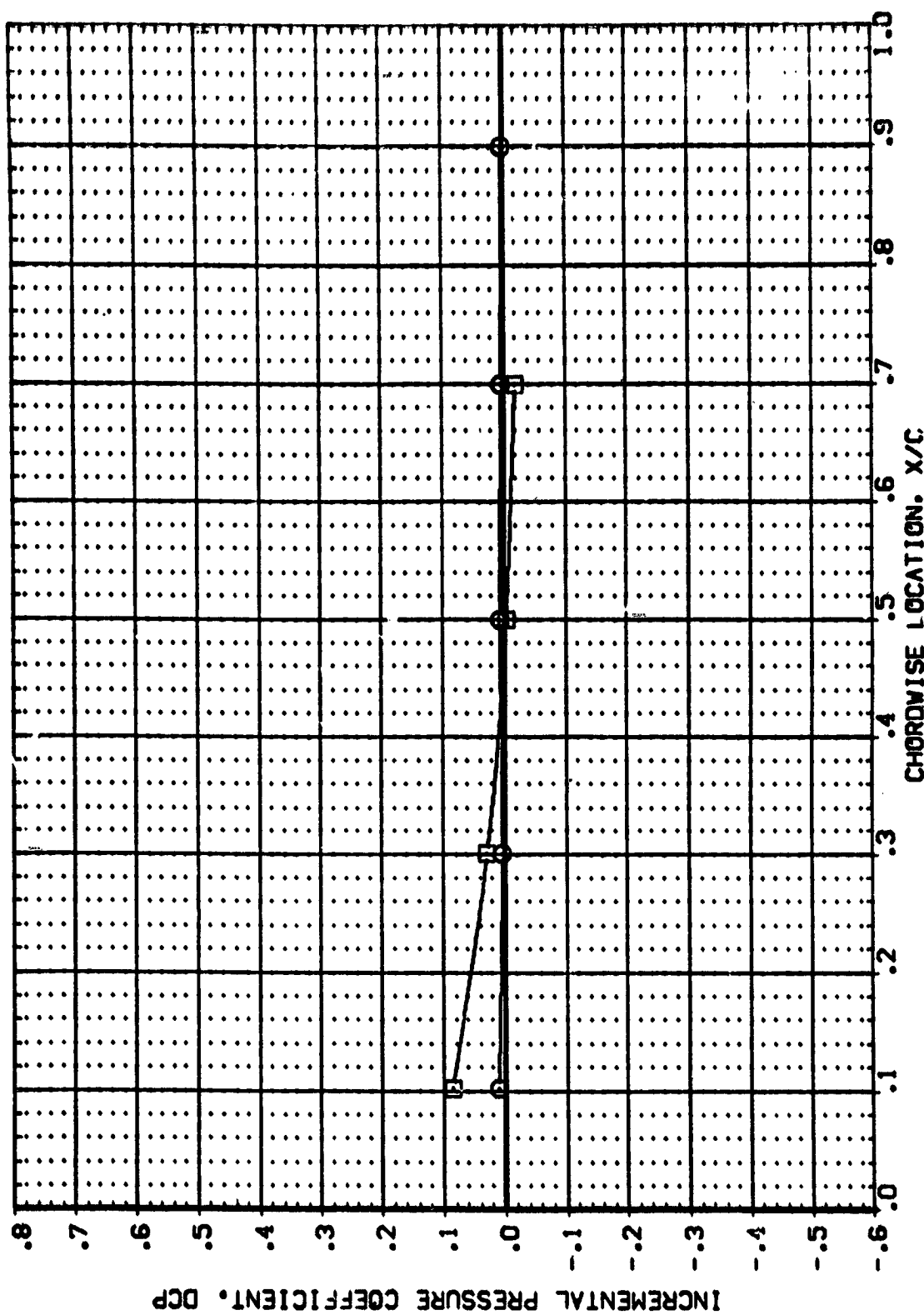


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 3.790 2Y/B = .500



| DATA SET SYMBL | CONFIGURATION DESCRIPTION |
|----------------|-----------------------------|
| (AF4J05) | IA68 (C1 F1 MI(1)) - (C1 |
| (AF4L05) | IA68 (C1 F1 MI(1)) - (C1 |

| CONFIGURATION | DESCRIPTION |
|----------------------------------|-------------|
| JAGB (CI FI MI(1)) - (CI FI) | UPPER VING |
| JAGB (CI FI MI(1)) - (CI FI) | LOWER VING |

ALPHA .000 .000

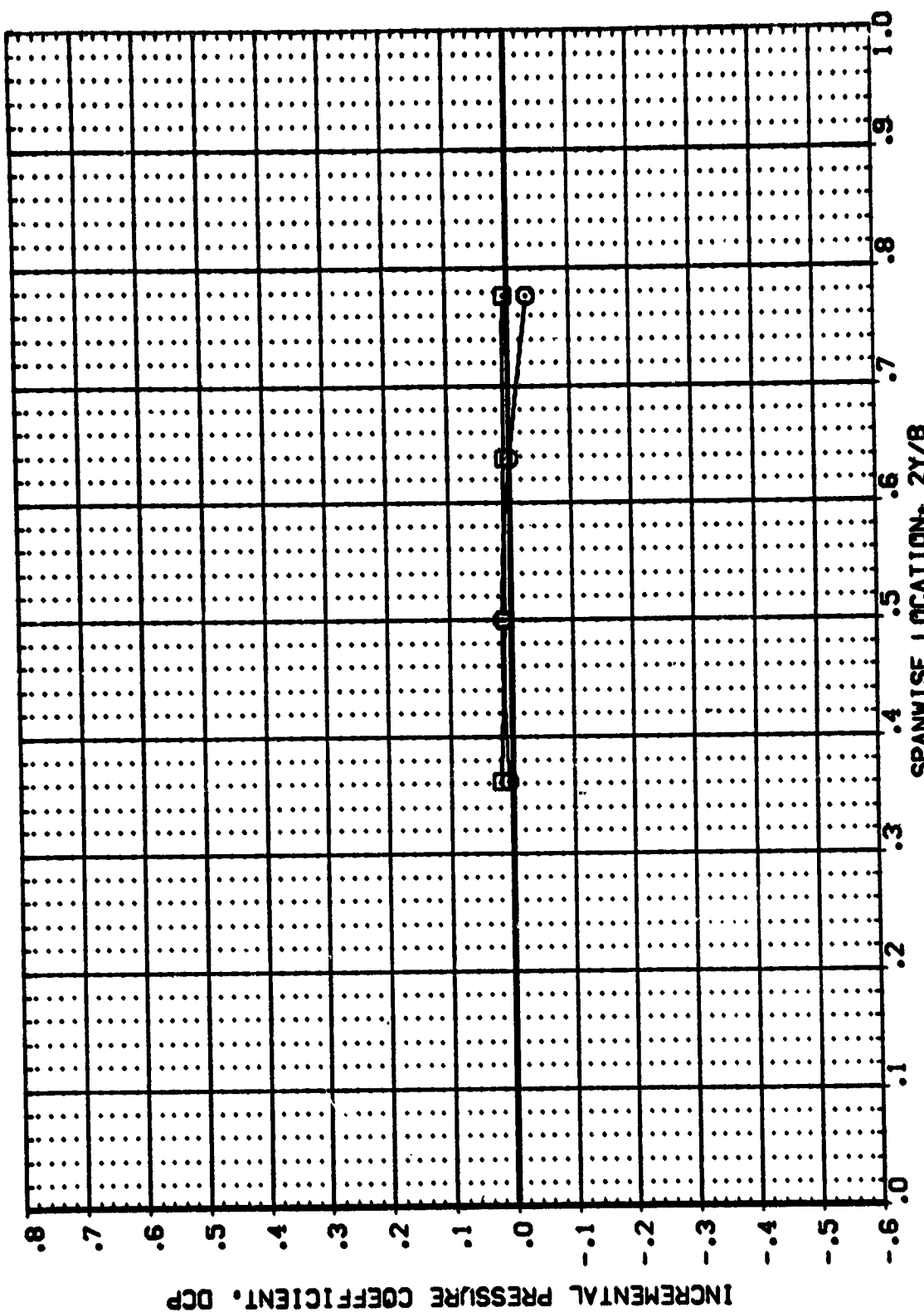


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -3.860 X/C = .500

PAGE 22:

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| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | ALPHA |
|-----------------|--|-------|
| (AF4U5) | 1A88 (C1 F1 M(1)) - (C1 F1) UPPER VING | .000 |
| (AF4U5) | 1A88 (C1 F1 M(1)) - (C1 F1) LOWER VING | .000 |

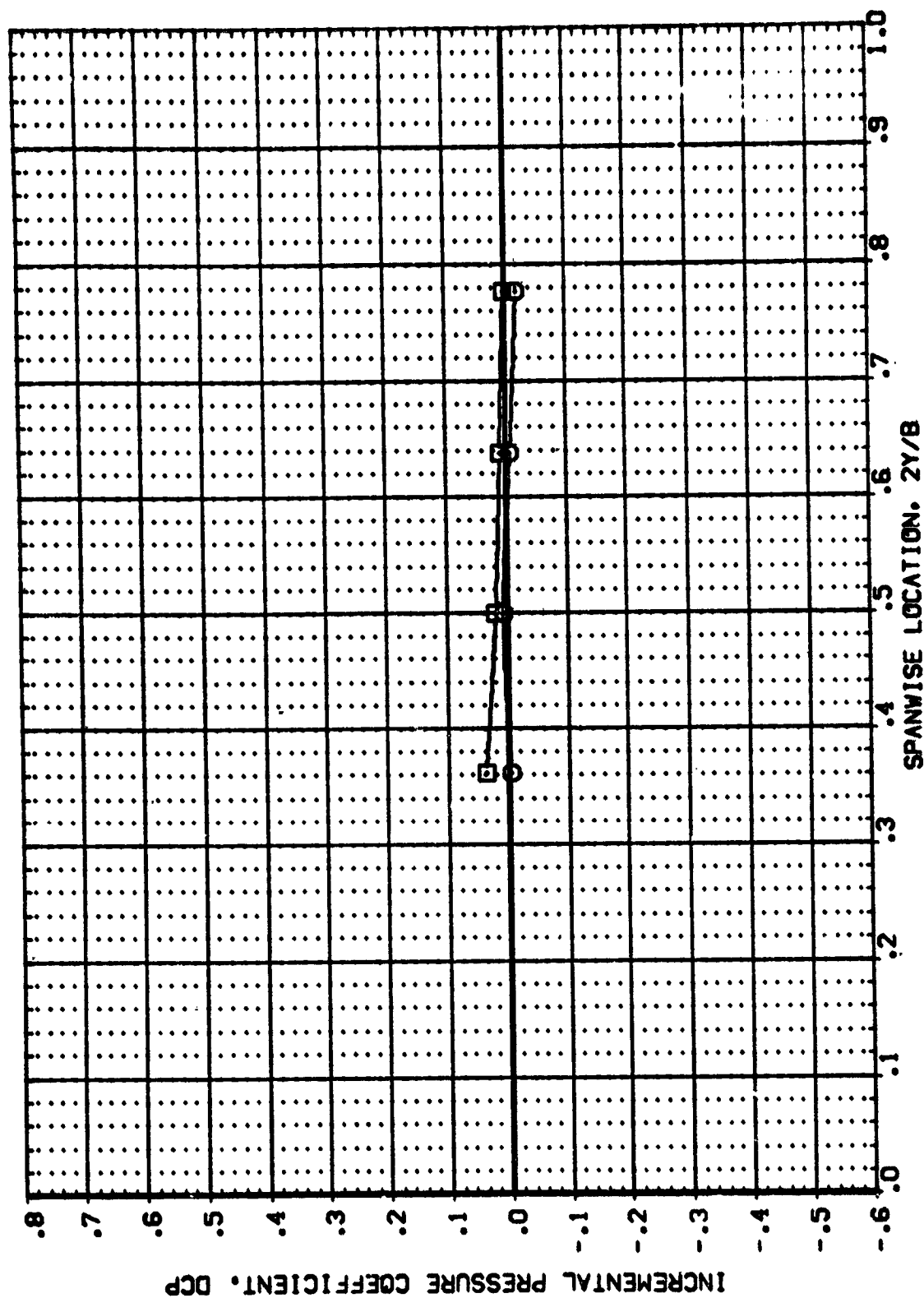


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

| | | | | | | | | |
|------|---|------|------|---|--------|-----|---|------|
| MACH | = | .896 | BETA | = | -1.880 | X/C | = | .500 |
|------|---|------|------|---|--------|-----|---|------|

PAGE 222

DATA SET SYMBOL: **AF4LOS** CONFIGURATION DESCRIPTION: **1A58 { C1 F1 MI(1) } - { C1 F1 } UPPER VING**
AF4LOS **1A58 { C1 F1 MI(1) } - { C1 F1 } LOWER VING** ALPHA: **.000**
.000

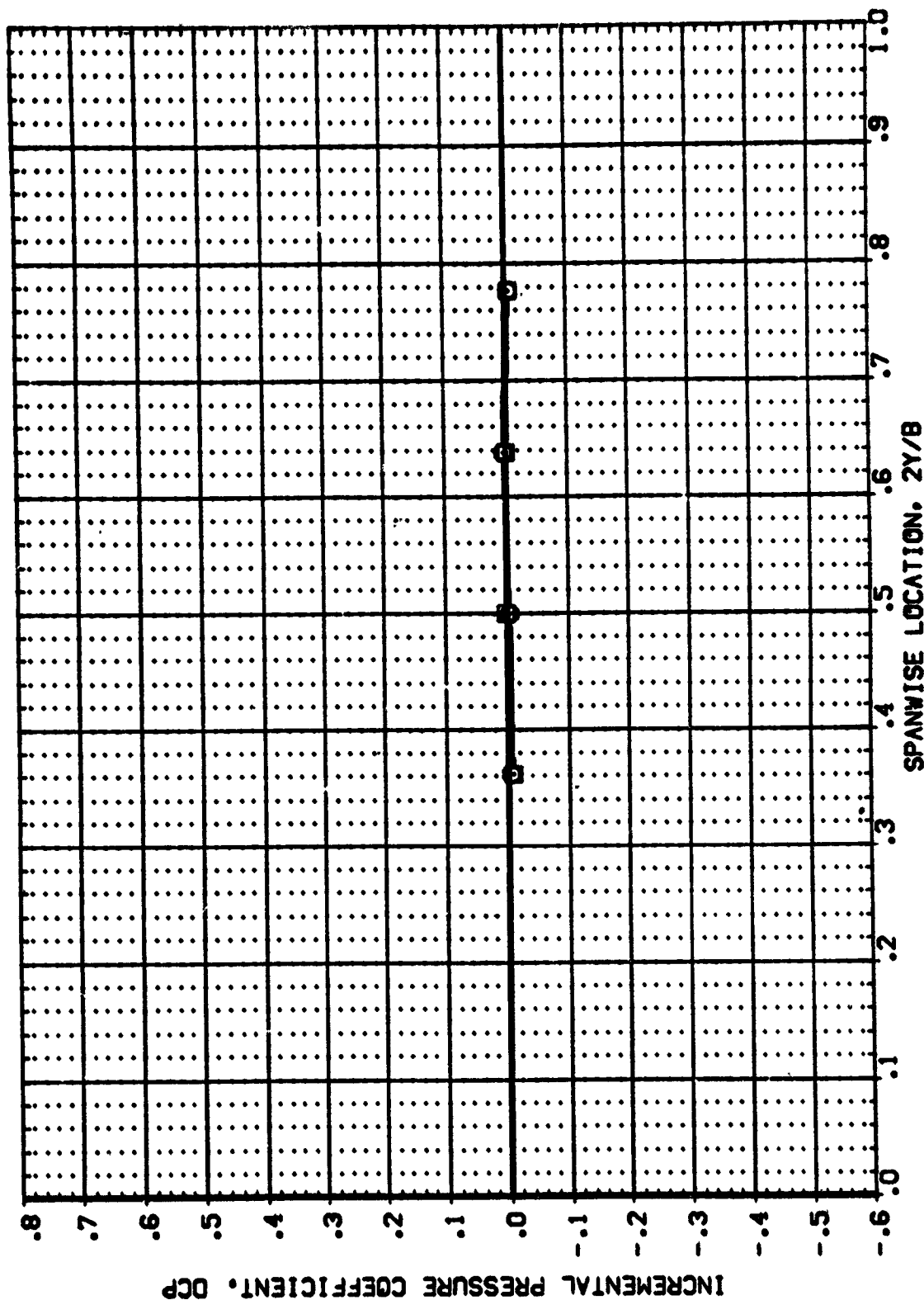


FIG 11 STRUT DIFFERENTIAL VING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = .030 X/C = .500

DATA SET SYMBOL: {AF4L05} {AF4L05}
 CONFIGURATION DESCRIPTION: 1A68 {C1 F1 M1(1)} - {C1 F1} UPPER WING
 1A69 {C1 F1 M1(1)} - {C1 F1} LOWER WING

ALPHA: .000
 .000

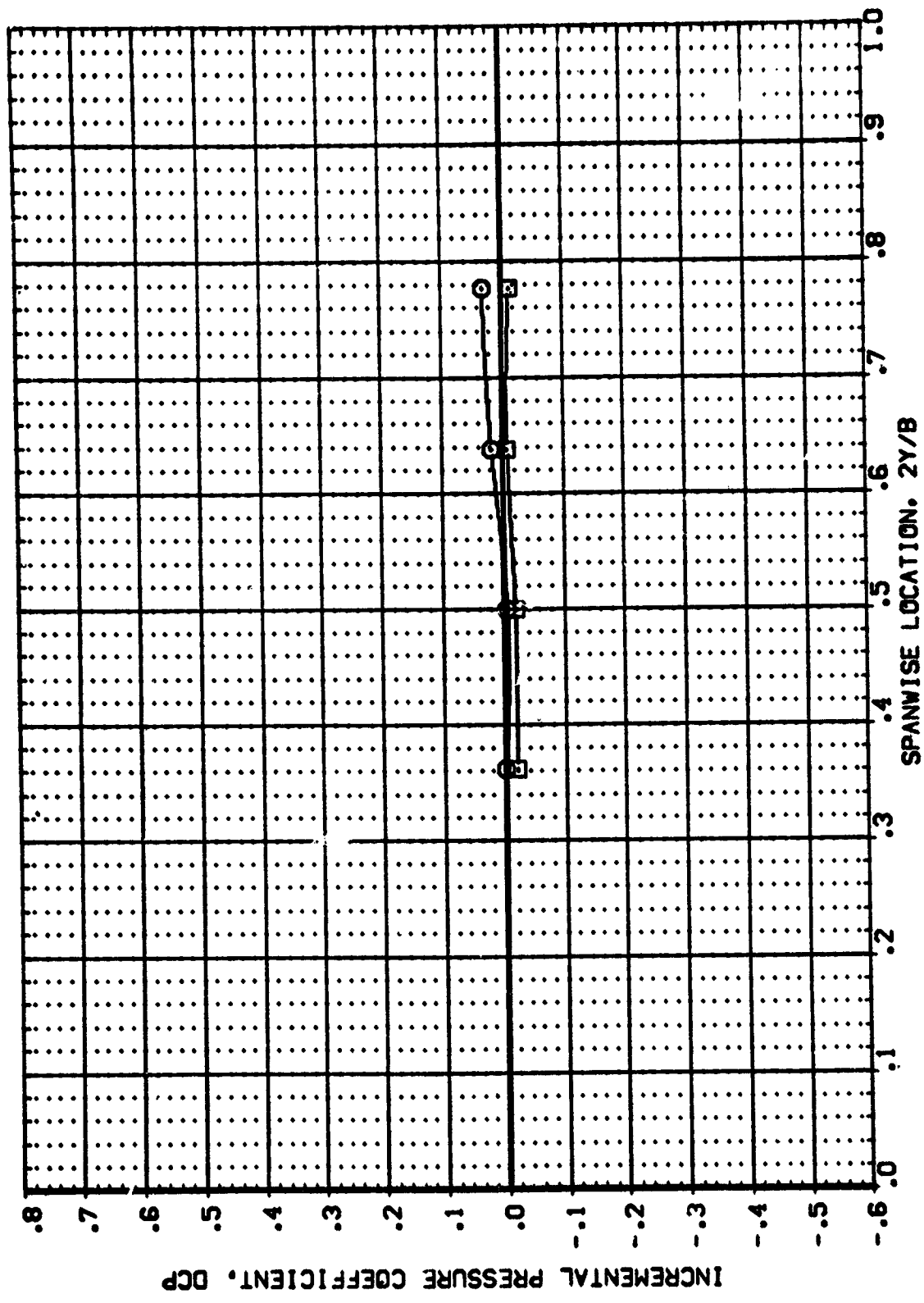


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 1.960 X/C = .500



DATA SET SYMBOL: \square CONFIGURATION DESCRIPTION: $\{ C_l F_l M_l(1) \} - \{ C_l F_l \}$ UPPER WING
 $\{ A^* F_{AUS} \}$ $\{ A^* F_{AUS} \}$ $\{ A^* F_{AUS} \}$ ALPHA: .000
 $\{ A^* F_{AUS} \}$ $\{ A^* F_{AUS} \}$ $\{ A^* F_{AUS} \}$.000

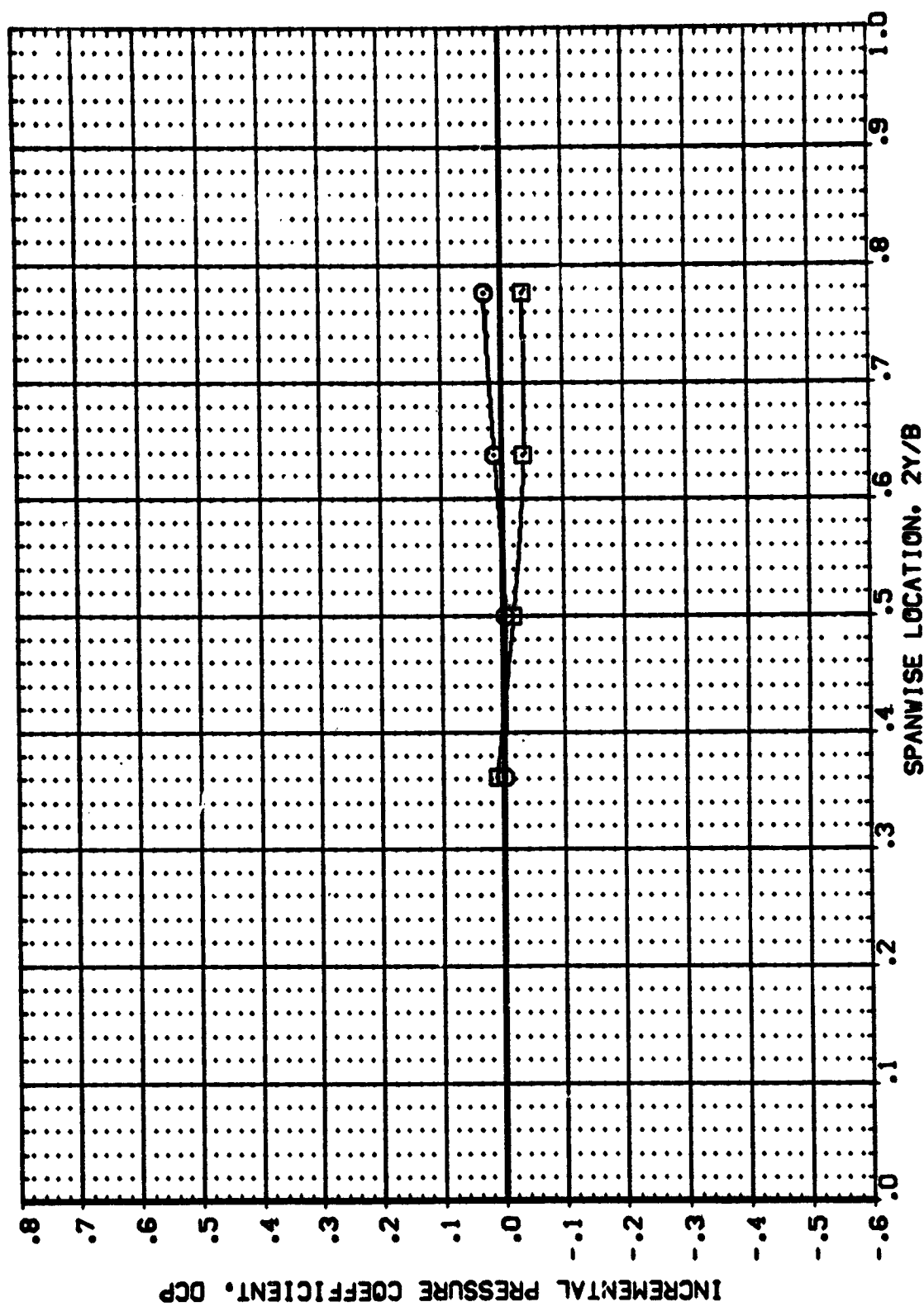
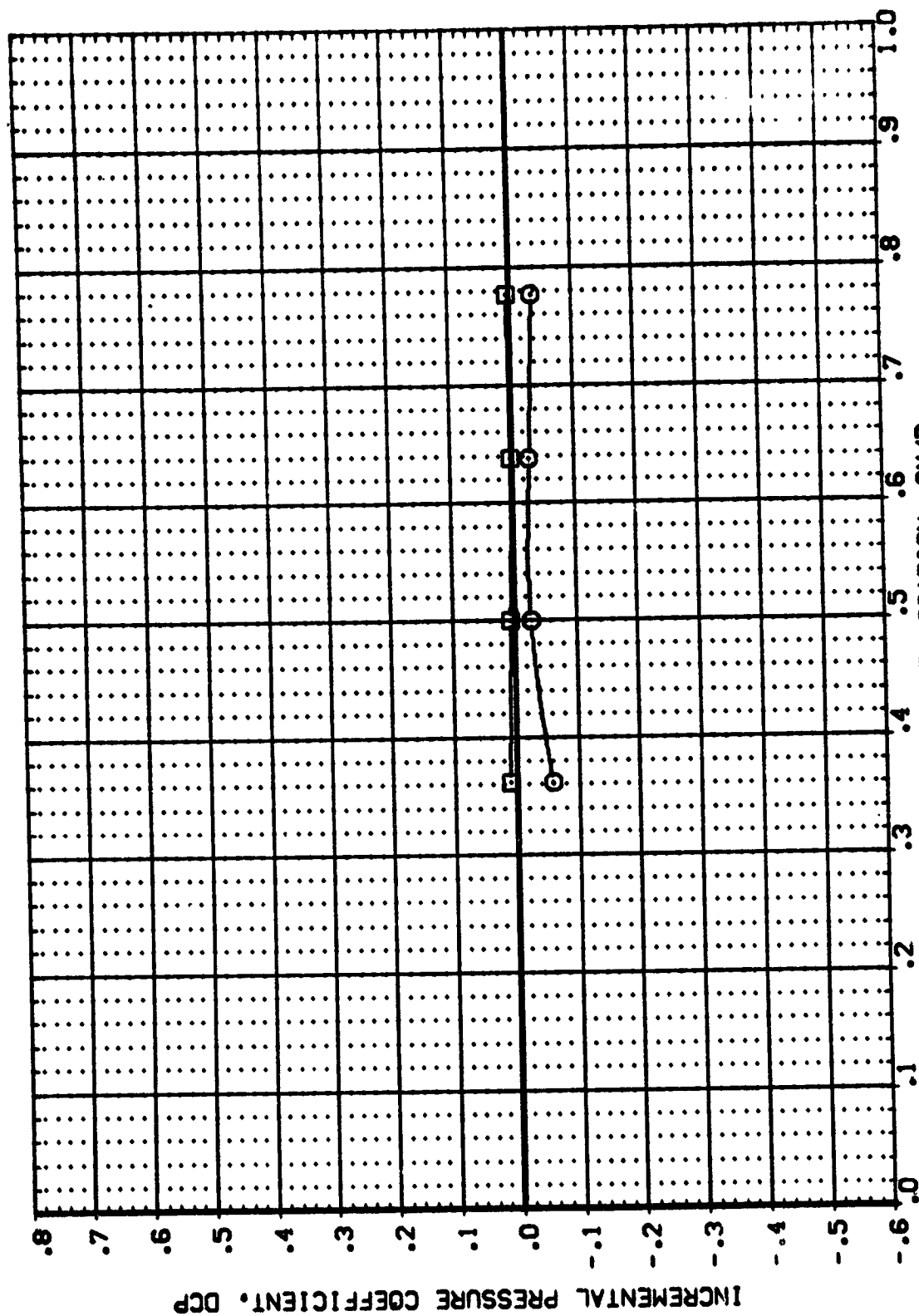


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

DATA SET SYMBOL: 9
 {AF4LOS} 1A68 {C1 F1 M1(1)} - {C1 F1} UPPER WING
 {AF4LOS} 1A68 {C1 F1 M1(1)} - {C1 F1} LOWER WING

ALPHA
 .000
 .000



SPANWISE LOCATION, 2Y/B

FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = -3.860 X/C = .500 PAGE 226



ALPHA
.000
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(AFALOS) 0 1AGB (C1 F1 M111) } - (C1 F1) UPPER WING
(AFALOS) 0 1AGB (C1 F1 M111) } - (C1 F1) LOWER WING

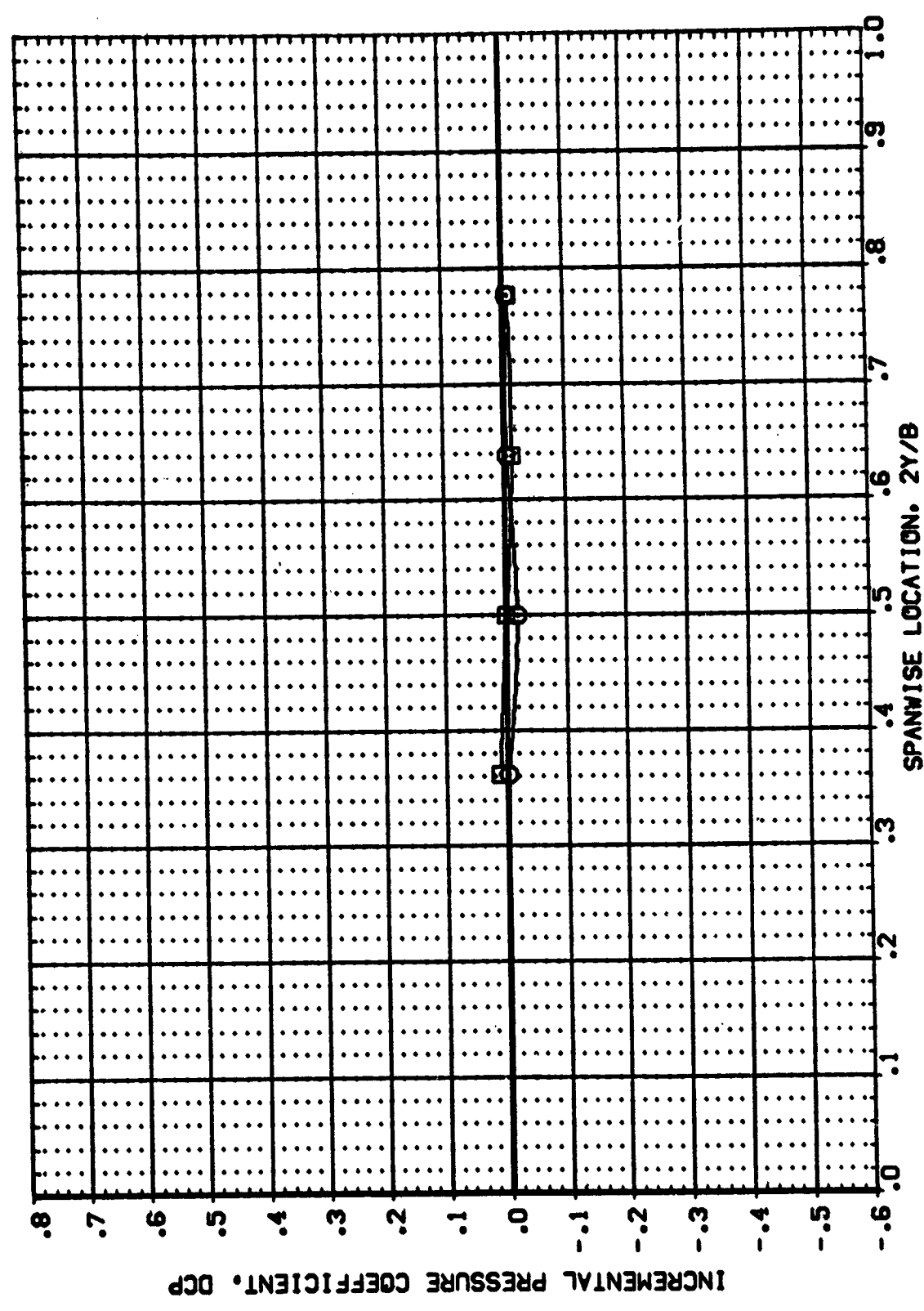


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = -1.950 X/C = .500

DATA SET SYMBOL: (AF4LOS) IAGB { C1 F1 MI(1) } - { C1 F1 } UPPER WING
 (AF4LOS) IAGB { C1 F1 MI(1) } - { C1 F1 } LOWER WING

ALPHA
 .000
 .000

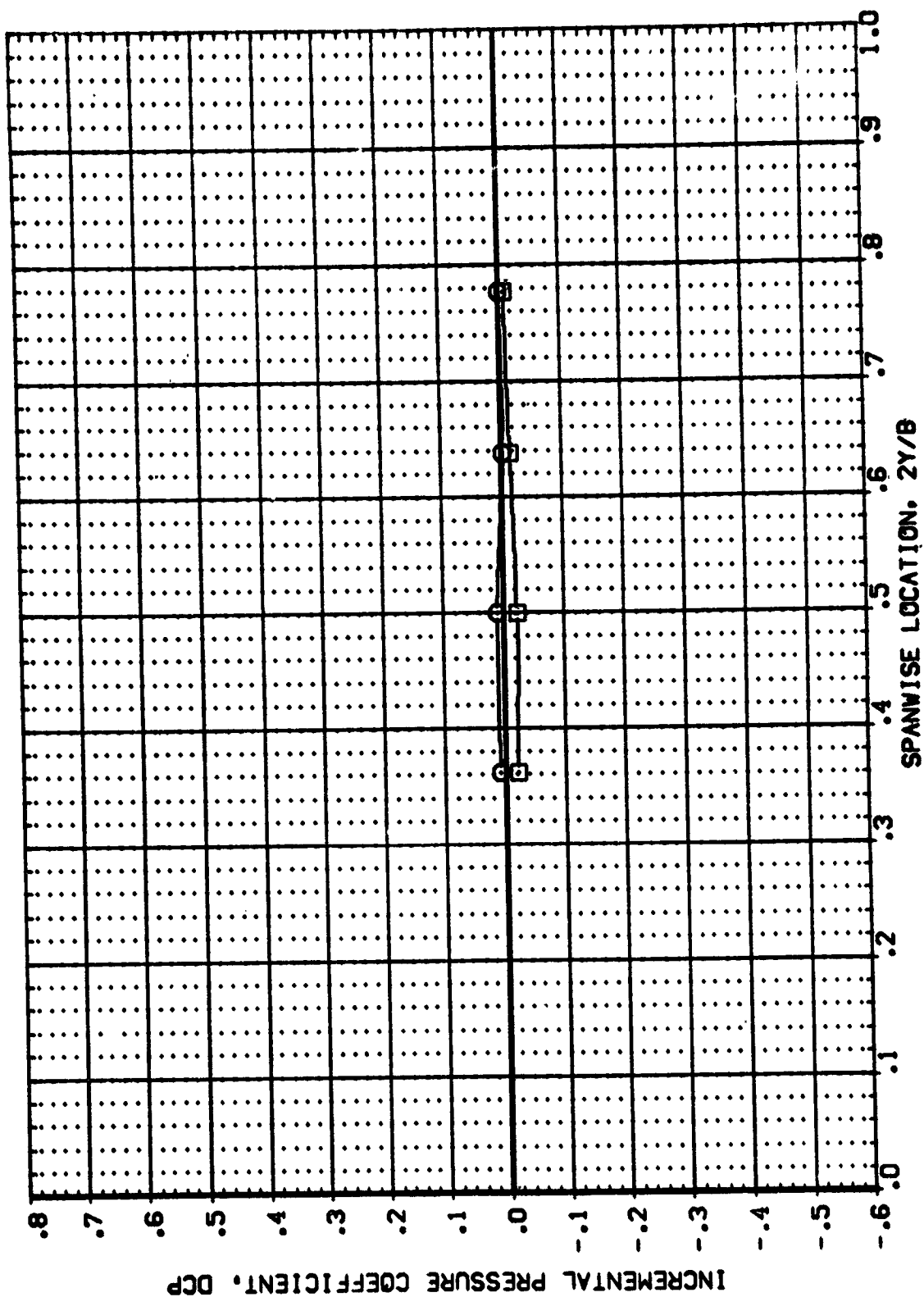


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = -0.040 X/C = .500

ALPHA
.000
.000

DATA SET SYMBO. CONFIGURATION DESCRIPTION
(AF4LOS) 1A88 { C1 F1 M1(1) } - { C1 F1 } UPPER WING
(AF4LOS) 1A88 { C1 F1 M1(1) } - { C1 F1 } LOWER WING

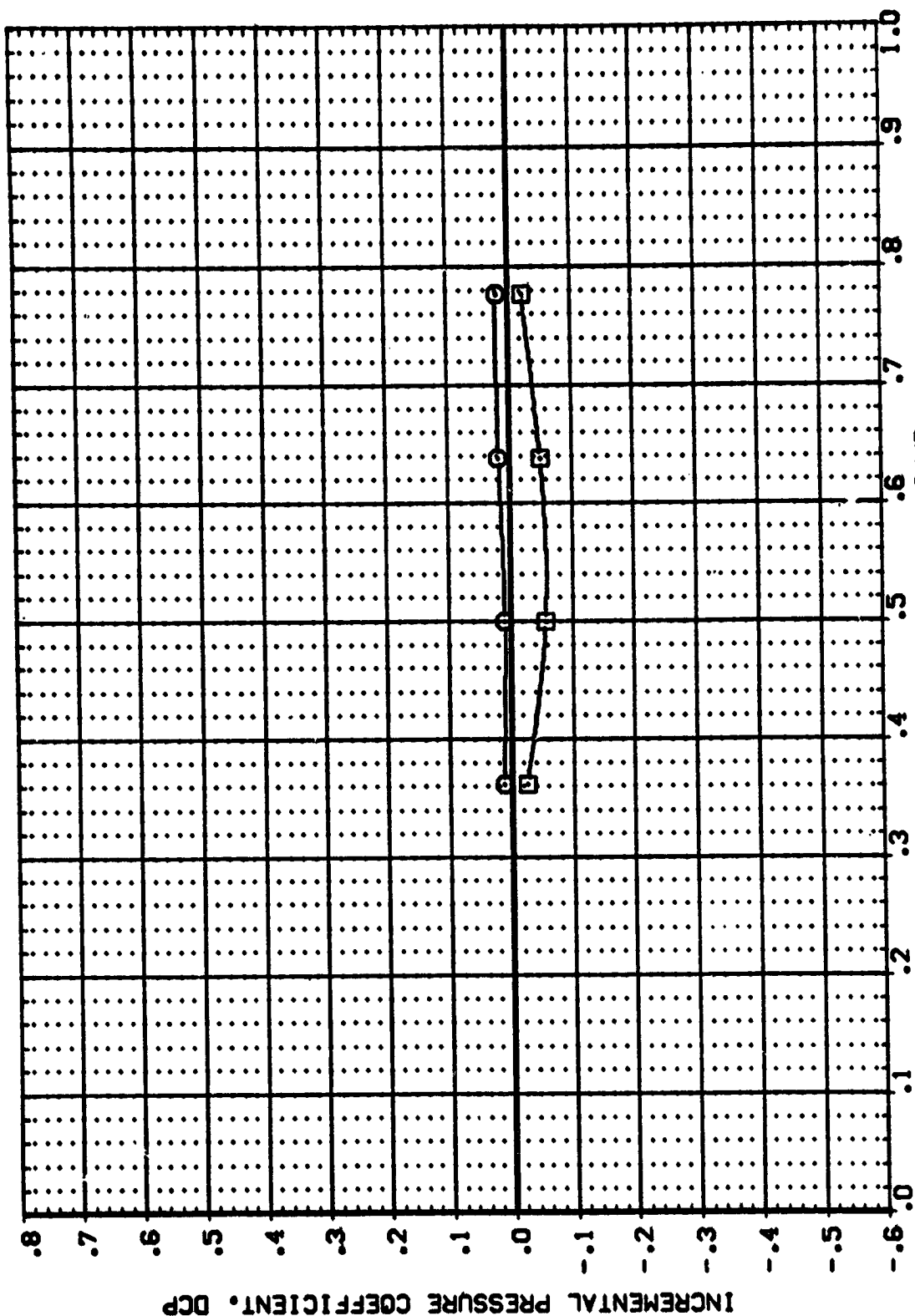


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = 1.870 X/C = .500

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DATA SET SYMBOL: 1A68 { C1 F1 M1(1) } - { C1 F1 } UPPER WING
 { AF4LOS } 1A68 { C1 F1 M1(1) } - { C1 F1 } LOWER WING

ALPHA
 .000
 .000

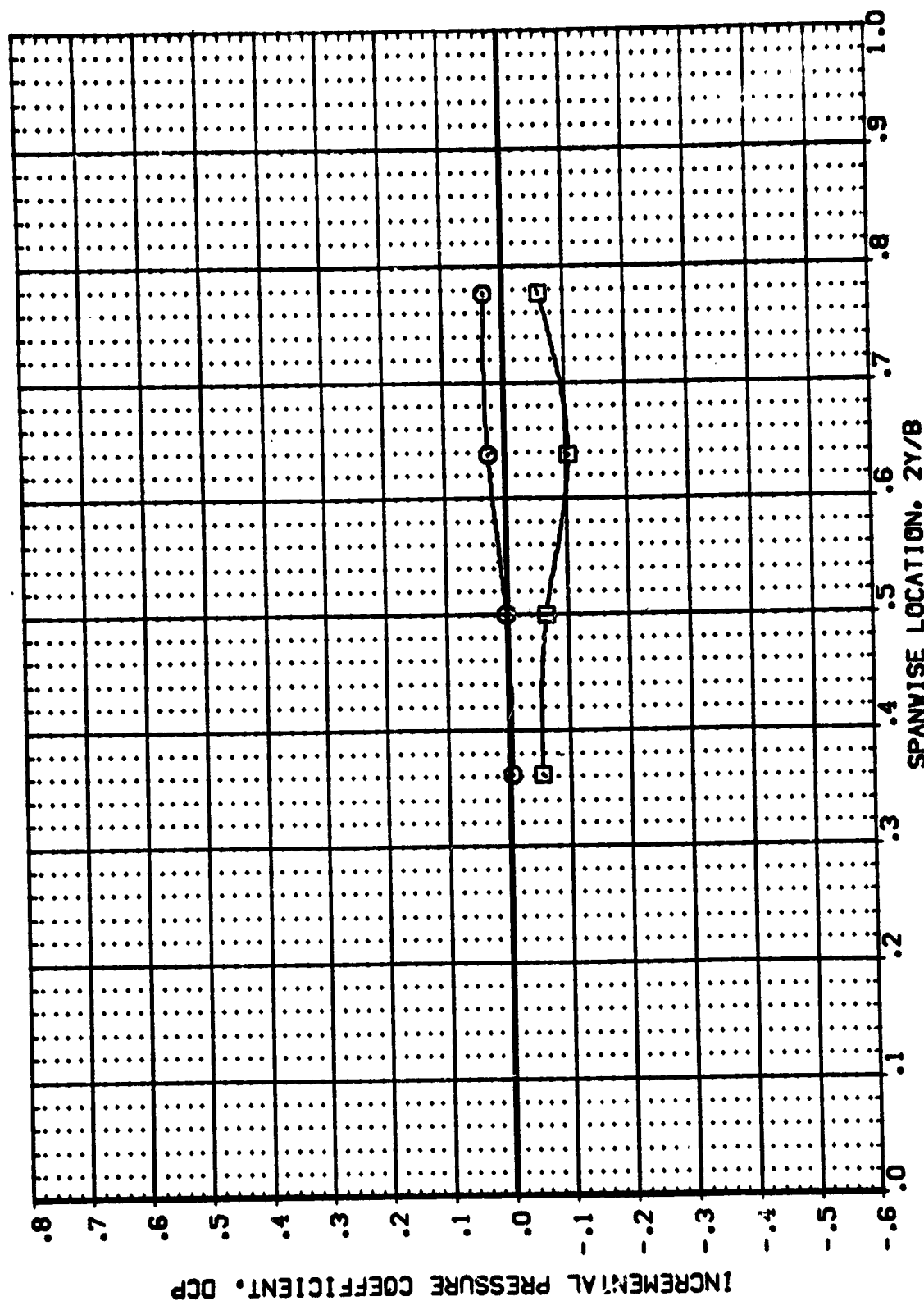


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.209 BETA = 3.920 X/C = .500 PAGE 230



DATA SET SYMBOL: {AF4LOS} {AF4LOS} ALPHA: .000
 CONFIGURATION DESCRIPTION: IASB {C1 F1 MI(1)} - {C1 F1} UPPER WING
 IASB {C1 F1 MI(1)} - {C1 F1} LOWER WING

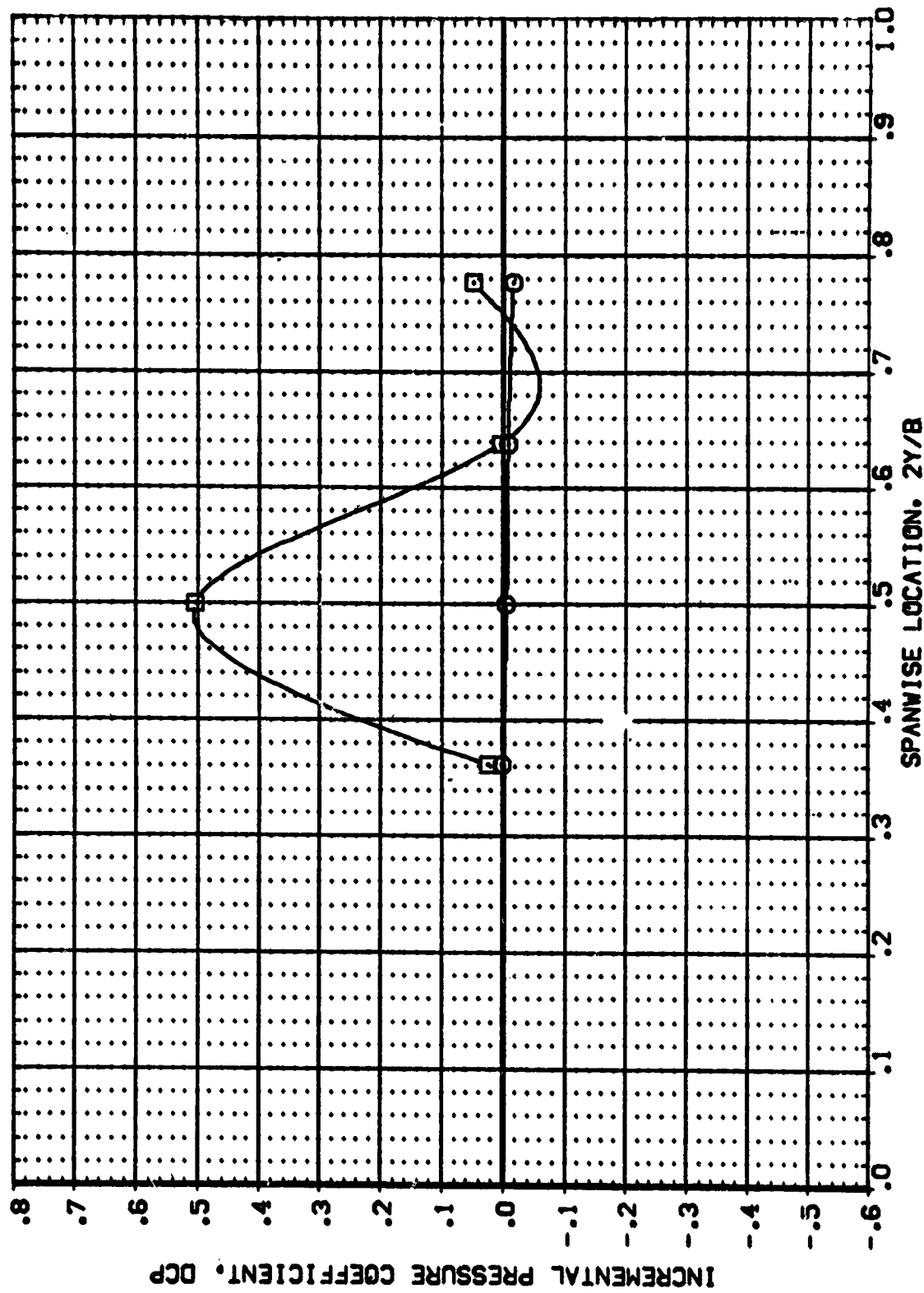


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = -3.970 X/C = .500

DATA SET SYMB. CONFIGURATION DESCRIPTION
 (AF4L05) 1A58 (C1 F1 M1(1)) - (C1 F1) UPPER WING
 (AF4L05) 1A58 (C1 F1 M1(1)) - (C1 F1) LOWER WING

ALPHA
 .000
 .000

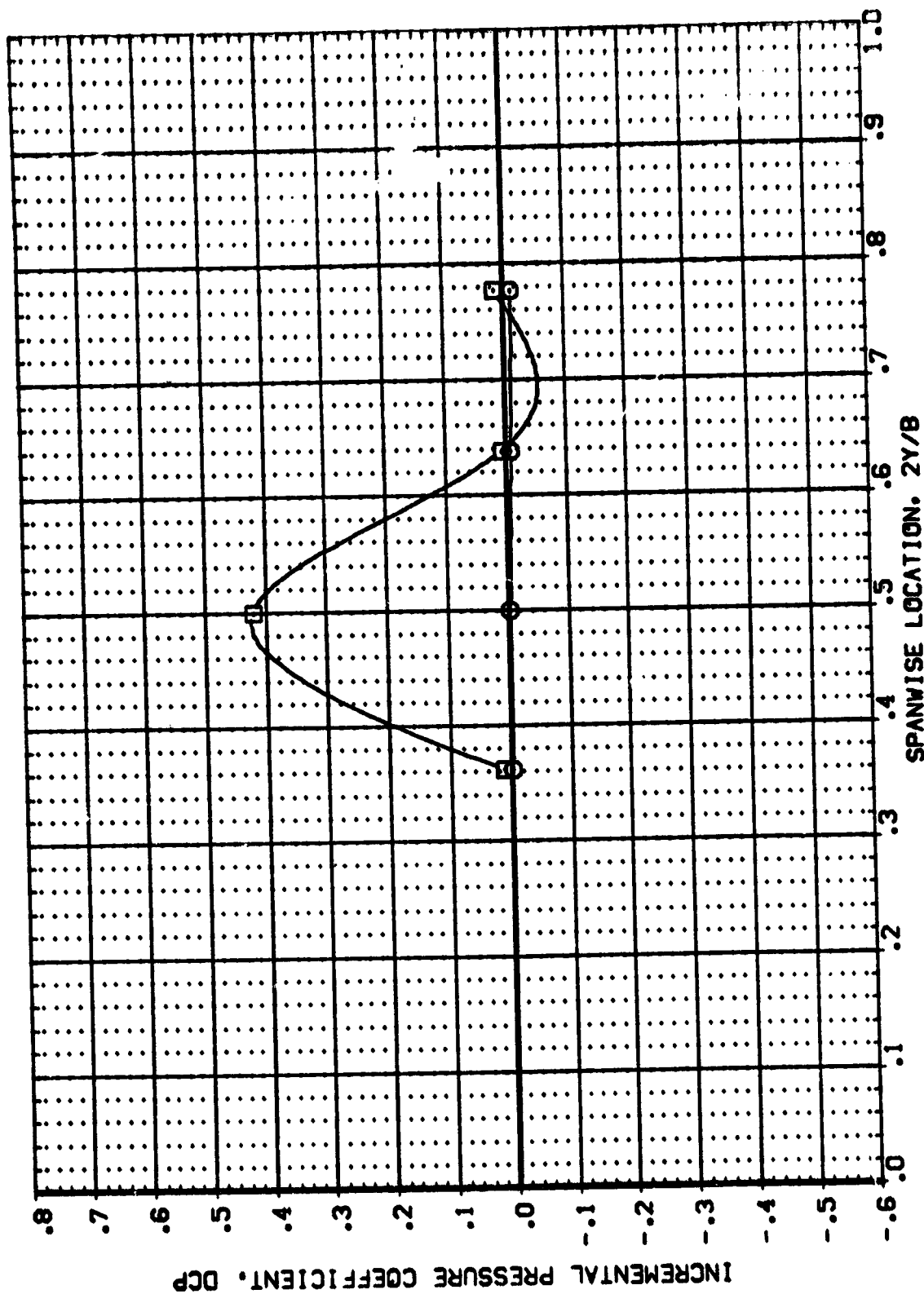


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = -2.050 X/C = .500



DATA SET SYMBOL: **8** CONFIGURATION DESCRIPTION: **1A88 { C1 F1 M1(1) } - { C1 F1 } UPPER WING**
1A89 { C1 F1 M1(1) } - { C1 F1 } LOWER WING ALPHA: **.000**
.000

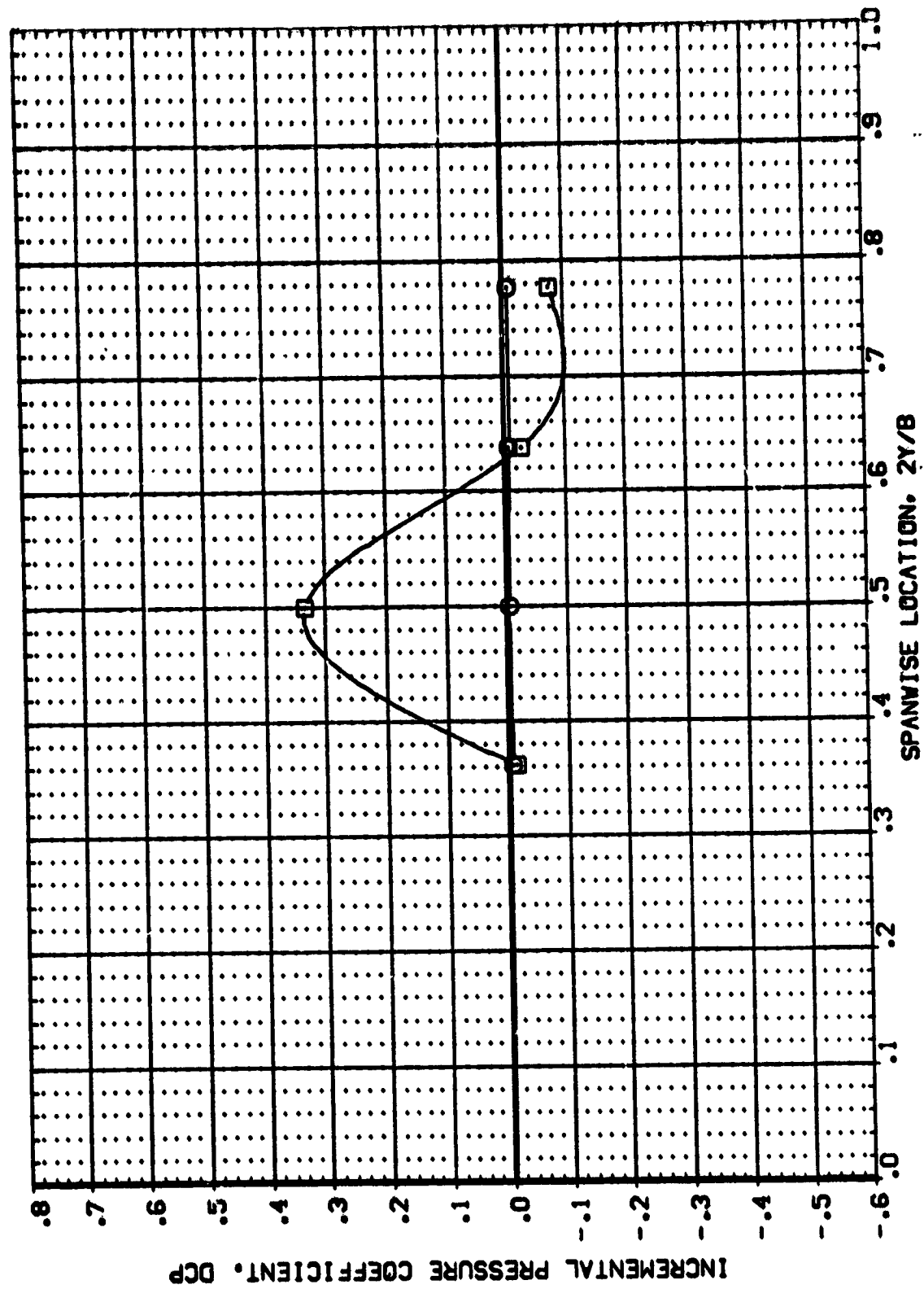


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = -0.130 X/C = .500

ALPHA
.000
.000

DATA SET SYMBOL: 8
 CONFIGURATION DESCRIPTION:
 1A58 { C1 F1 M1(1) } - { C1 F1 } UPPER WING
 1A58 { C1 F1 M1(1) } - { C1 F1 } LOWER WING

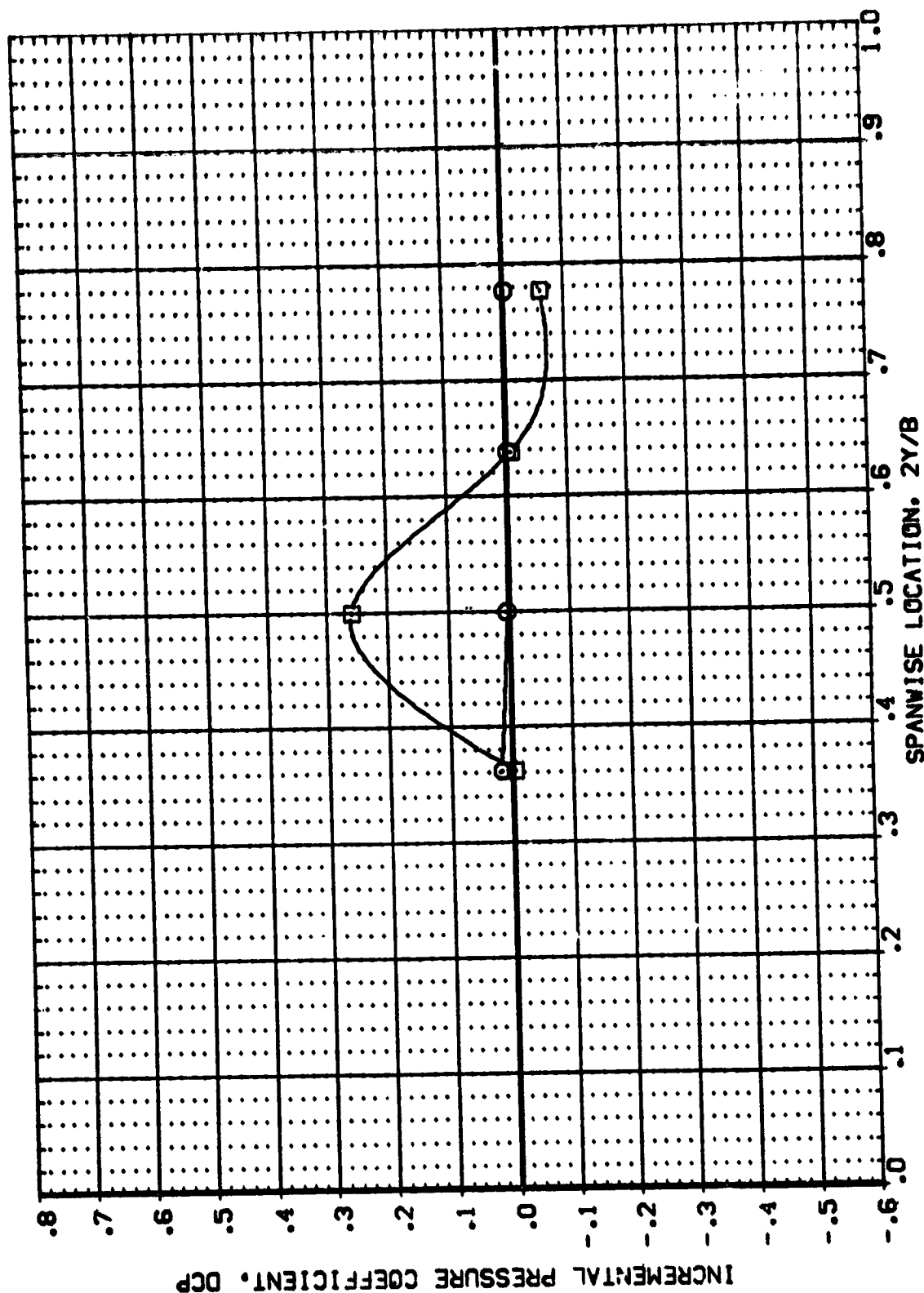


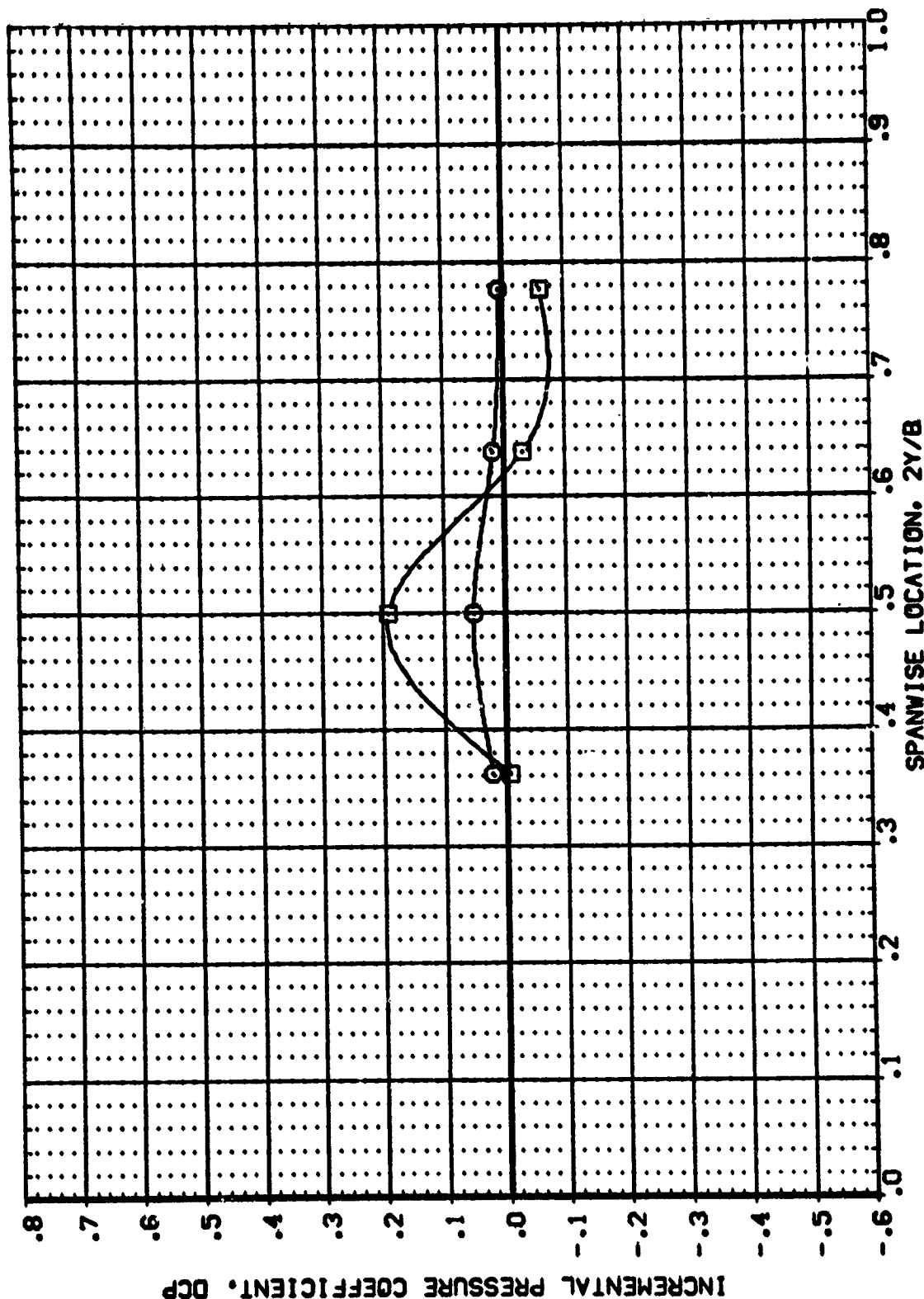
FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = 1.800 X/C = .500

DATA SET SYMBOL. CONFIGURATION DESCRIPTION

{AF4LOS} [AF4LOS] {C1 F1 M1(1)} - {C1 F1} UPPER WING
 {AF4LOS} [AF4LOS] {C1 F1 M1(1)} - {C1 F1} LOWER WING

ALPHA
 .000
 .000



SPANWISE LOCATION, 2Y/B

FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.503 BETA = 3.840 X/C = .500

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DATA SET SYMBOL: [AF4L05] [AF4L05] CONFIGURATION DESCRIPTION: 1A68 { C1 F1 M1(1) } - { C1 F1 } UPPER WING ALPHA: .000
 1A68 { C1 F1 M1(1) } - { C1 F1 } LOWER WING .000

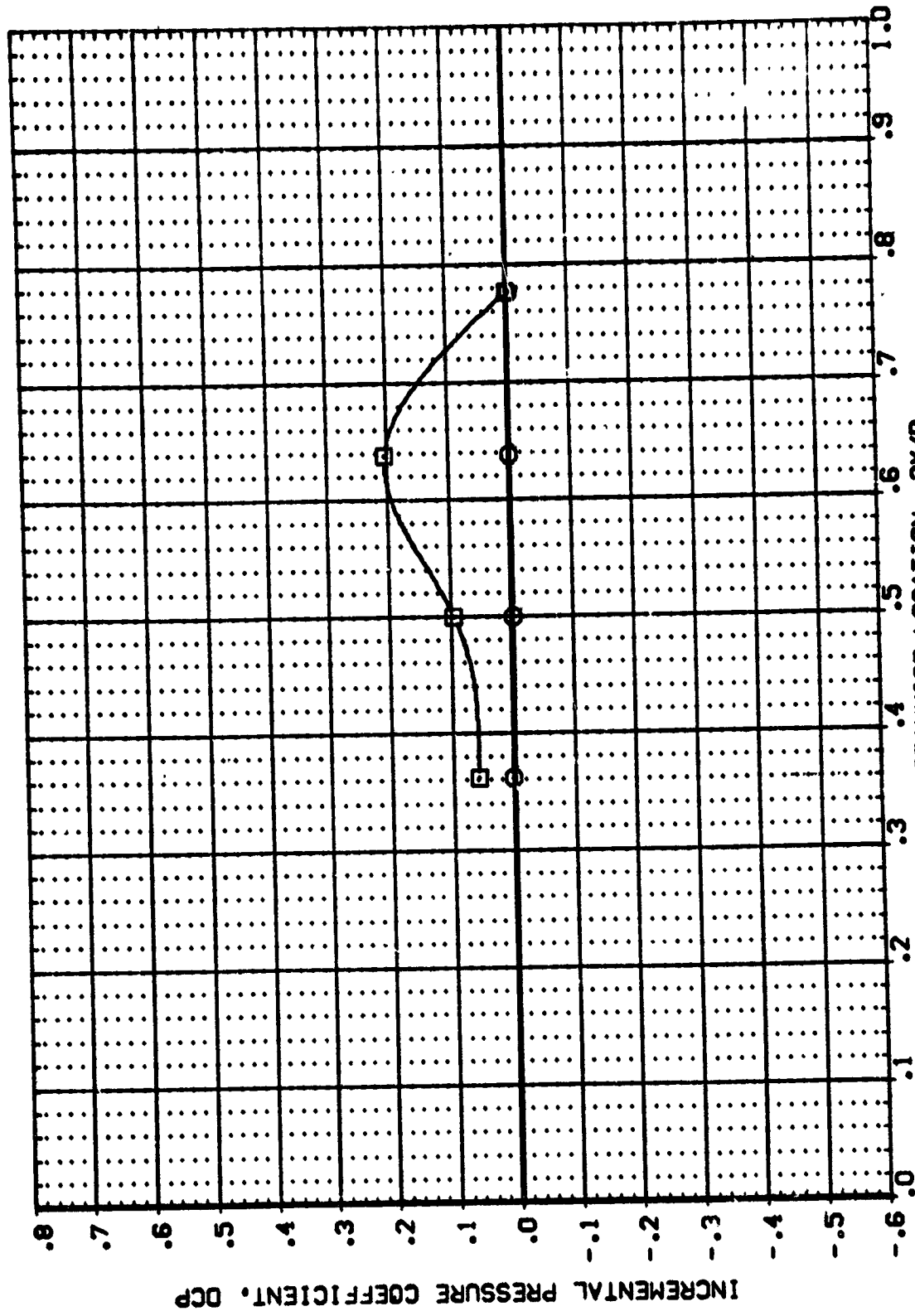


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = -3.790 X/C = .500 PAGE 236



DATA SET SYMBOL: { AF4LOS }
 CONFIGURATION DESCRIPTION: IASB { C1 F1 M1(1) } - { C1 F1 } UPPER WING
 IASB { C1 F1 M1(1) } - { C1 F1 } LOWER WING
 ALPHA: .000
 .000

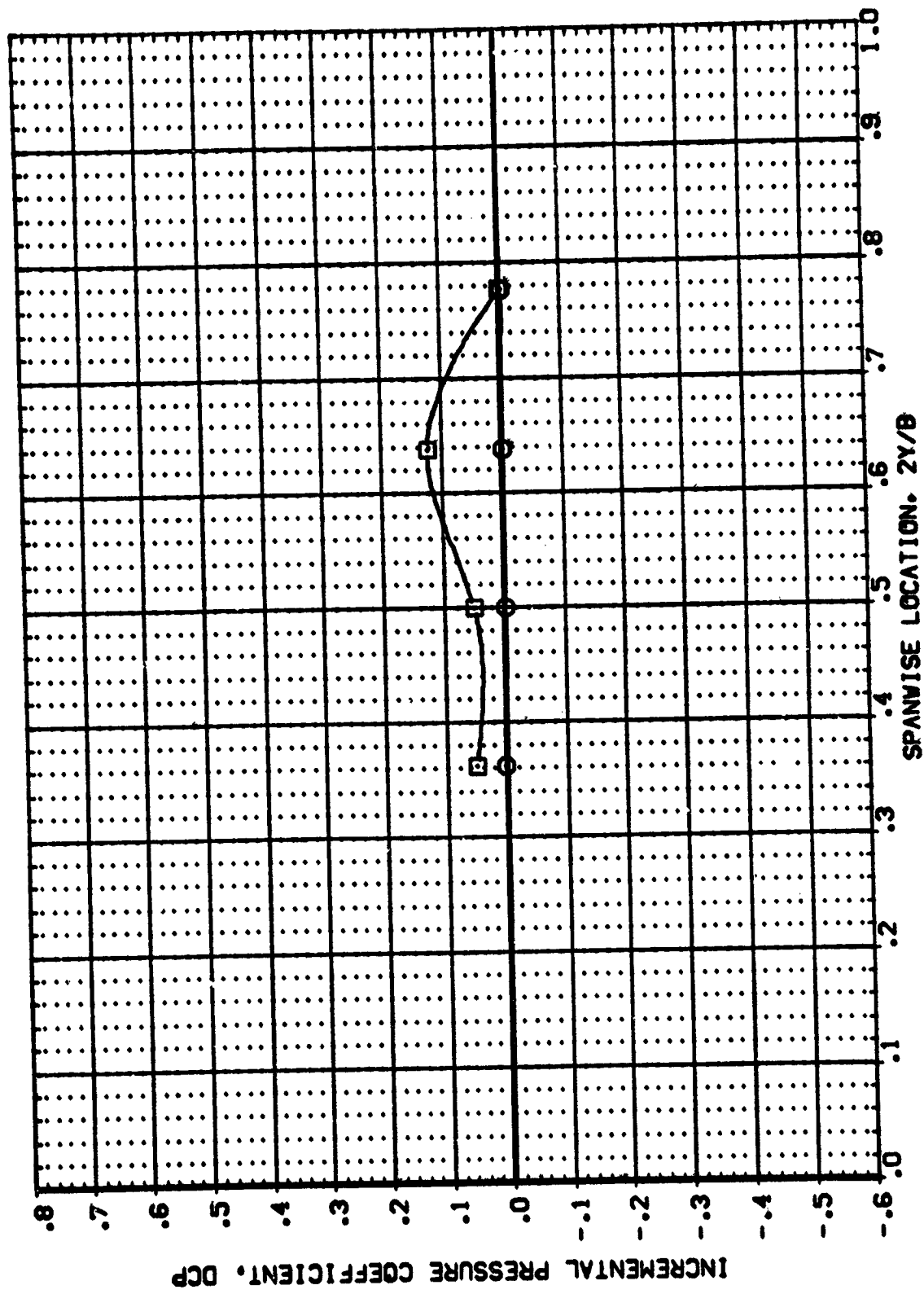


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = -1.870 X/C = .500
 PAGE 237

ALPHA
.000
.000

DATA SET SYMBOL: 8
CONFIGURATION DESCRIPTION: 1A88 { C1 F1 MI11 } - { C1 F1 } UPPER WING
1A88 { C1 F1 MI11 } - { C1 F1 } LOWER WING

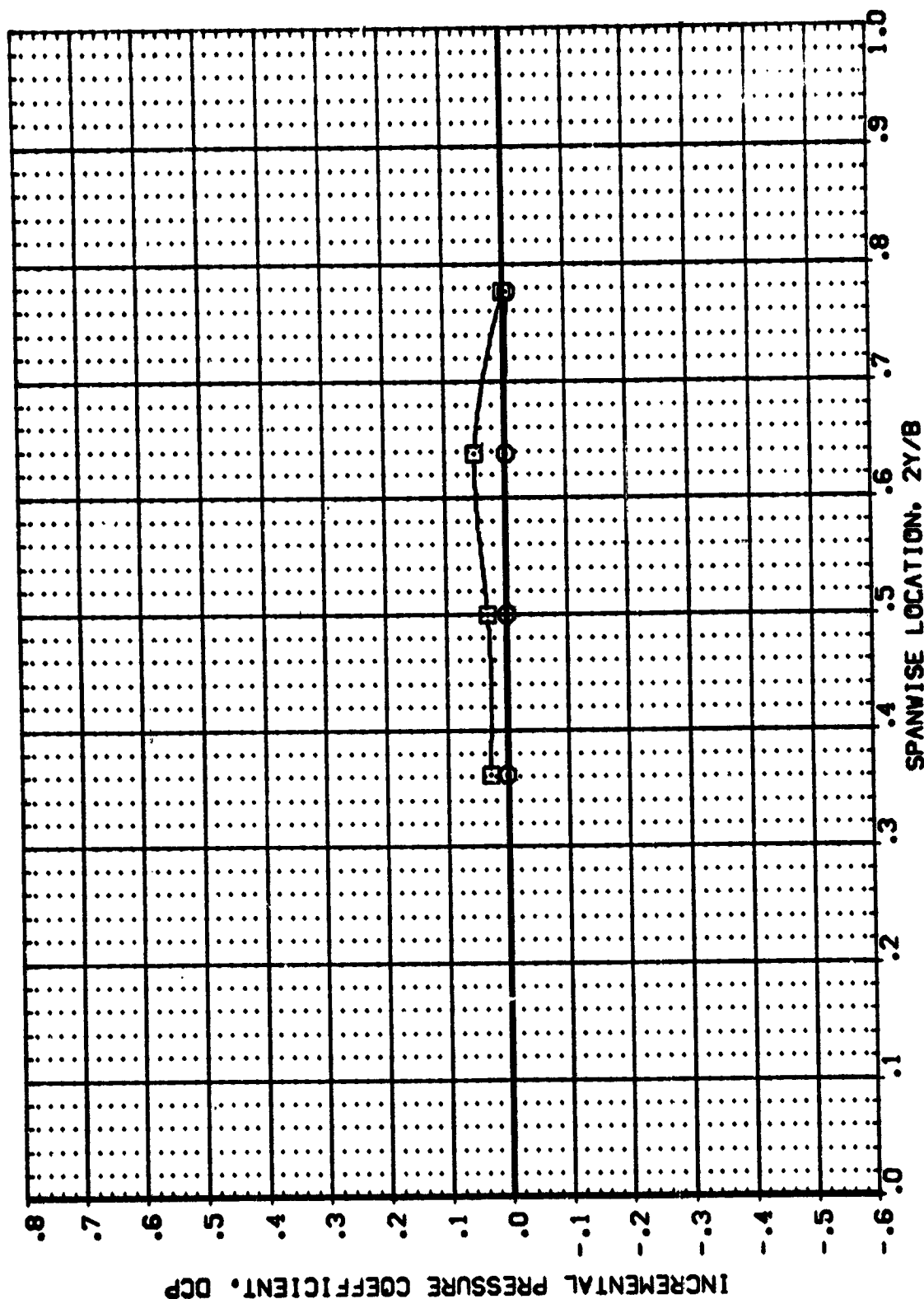


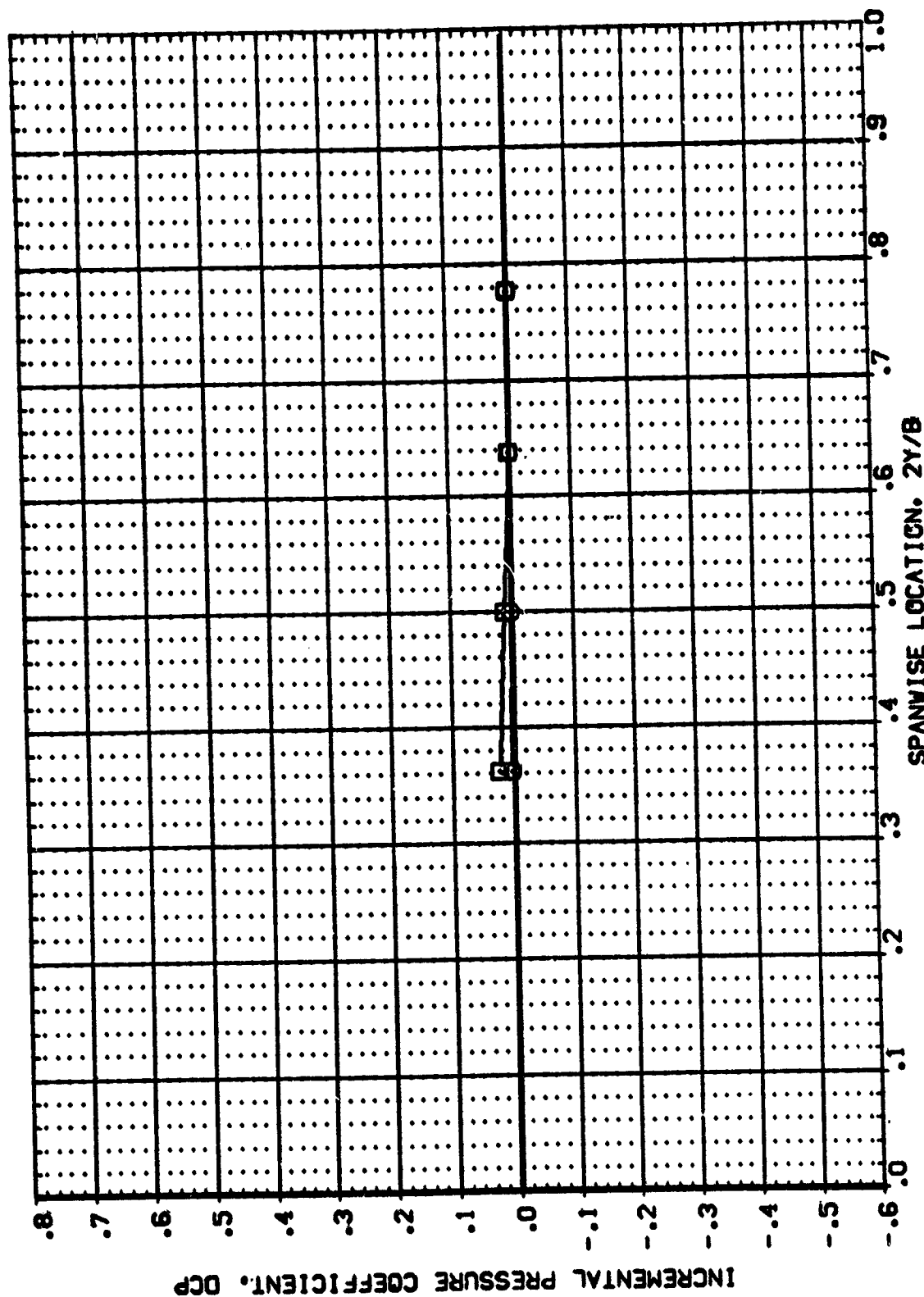
FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = -.010 X/C = .500



ALPHA
.000
.000

DATA SET SYMBOL: CONFIGURATION DESCRIPTION
(AF405) 8 1A88 { C1 F1 M1(1) } - { C1 F1 } UPPER WING
(AF405) 8 1A88 { C1 F1 M1(1) } - { C1 F1 } LOWER WING



SPANWISE LOCATION, 2Y/B

FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 1.950 X/C = .500 PAGE 239

DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1A58 { C1 F1 MI(1) } - { C1 F1 } UPPER WING**
1A68 { C1 F1 MI(1) } - { C1 F1 } LOWER WING
 ALPHA: **.000**
.030

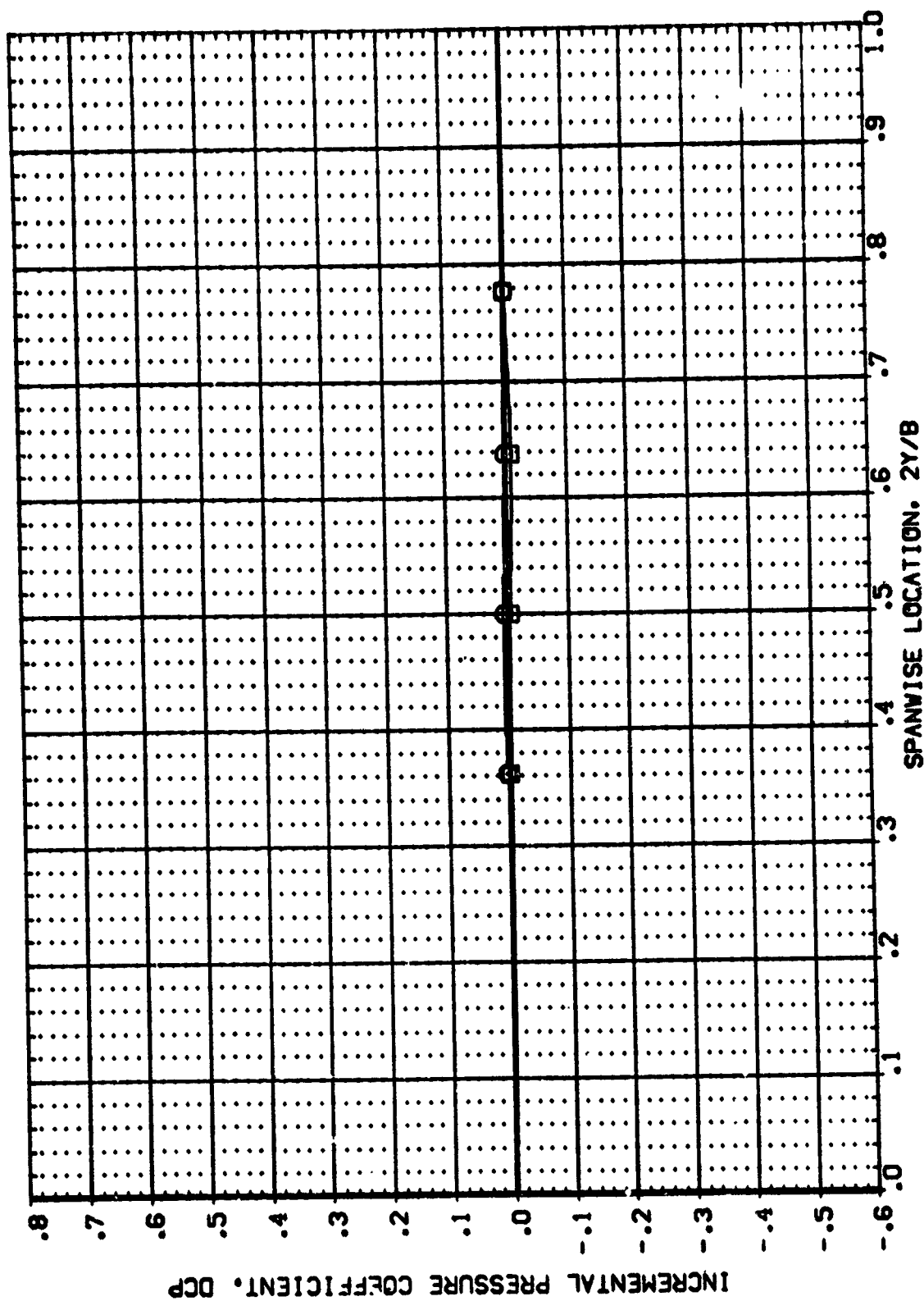


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 3.790 X/C = .500



ALPHA
.000
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(AF108) IASB (C1F12(1))+FILLET) - (C1F1) UPPER WING
(AF108) IASB (C1F12(1))+FILLET) - (C1F1) LOWER WING

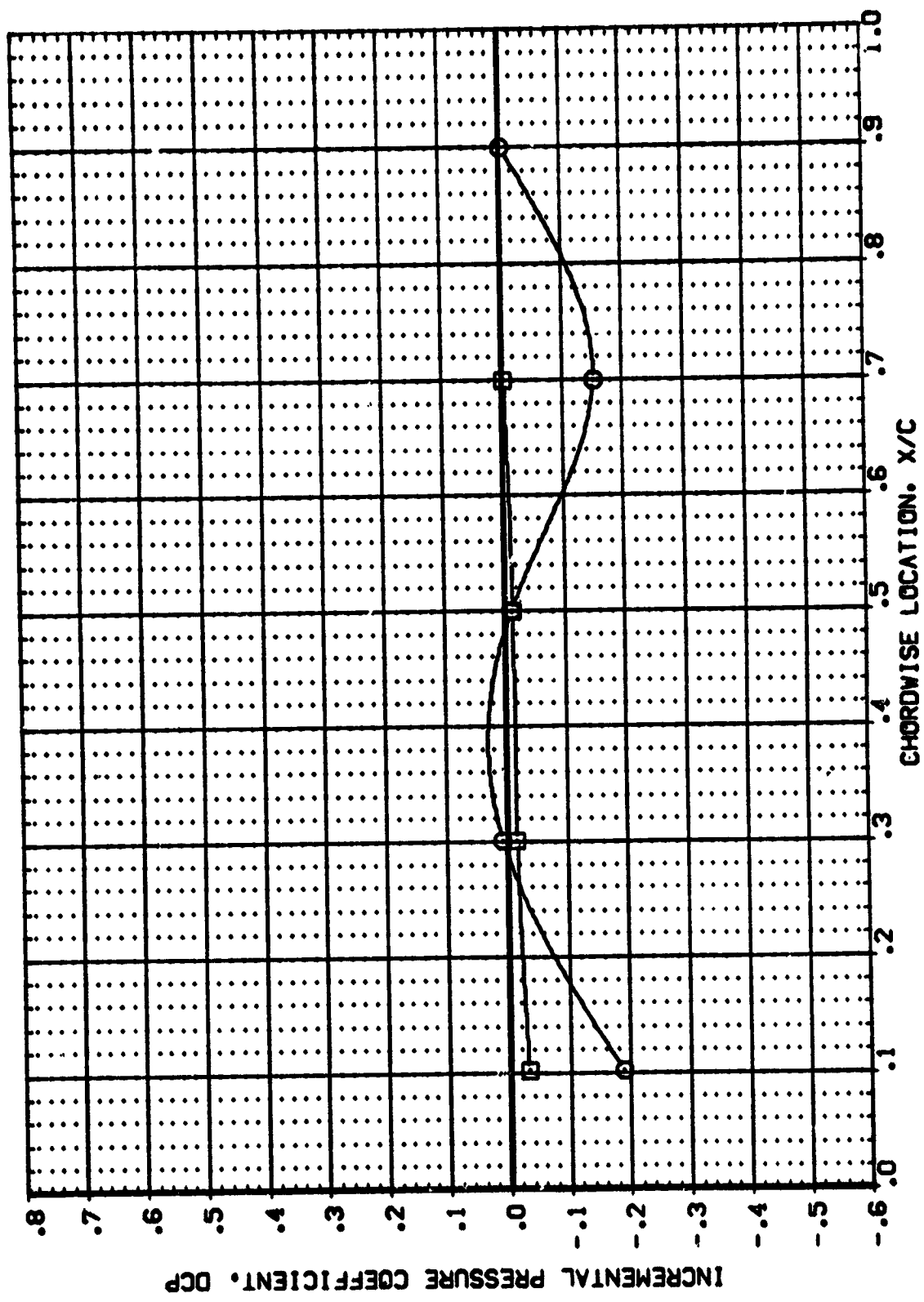


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -3.930 2Y/B = .500

DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1A68 (C1F1M211)+FILLET - (C1F1) UPPER WING**
1A68 (C1F1M211)+FILLET - (C1F1) LOWER WING

ALPHA
 .000
 .000

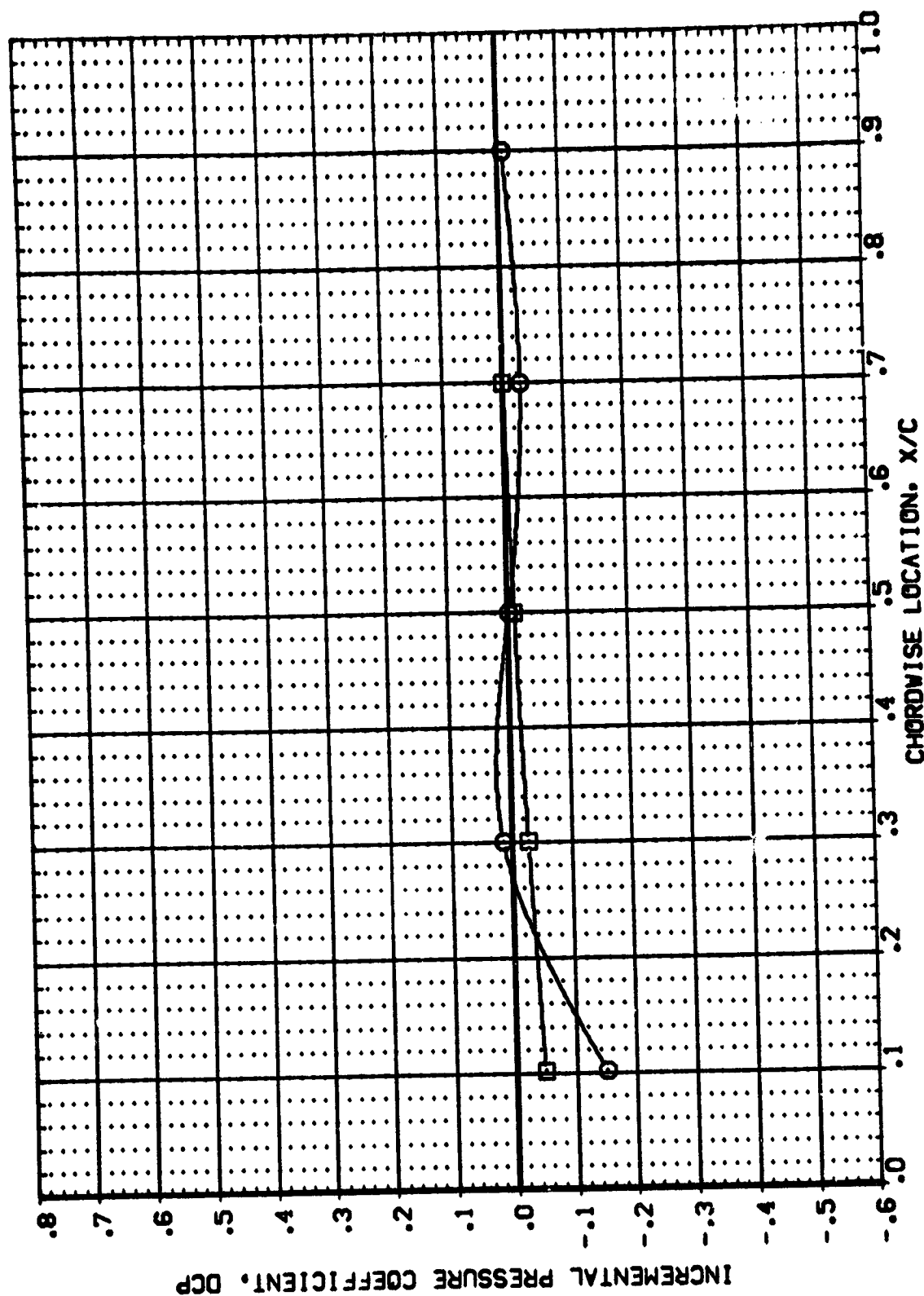


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -1.950 2Y/B = .500



DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **ALPHA**
 {AFALOB} **1A88** {C1F1M2(1)+F1LLET} = {C1F1} UPPER WING **.000**
 {AFALOB} **1A88** {C1F1M2(1)+F1LLET} = {C1F1} LOWER WING **.000**

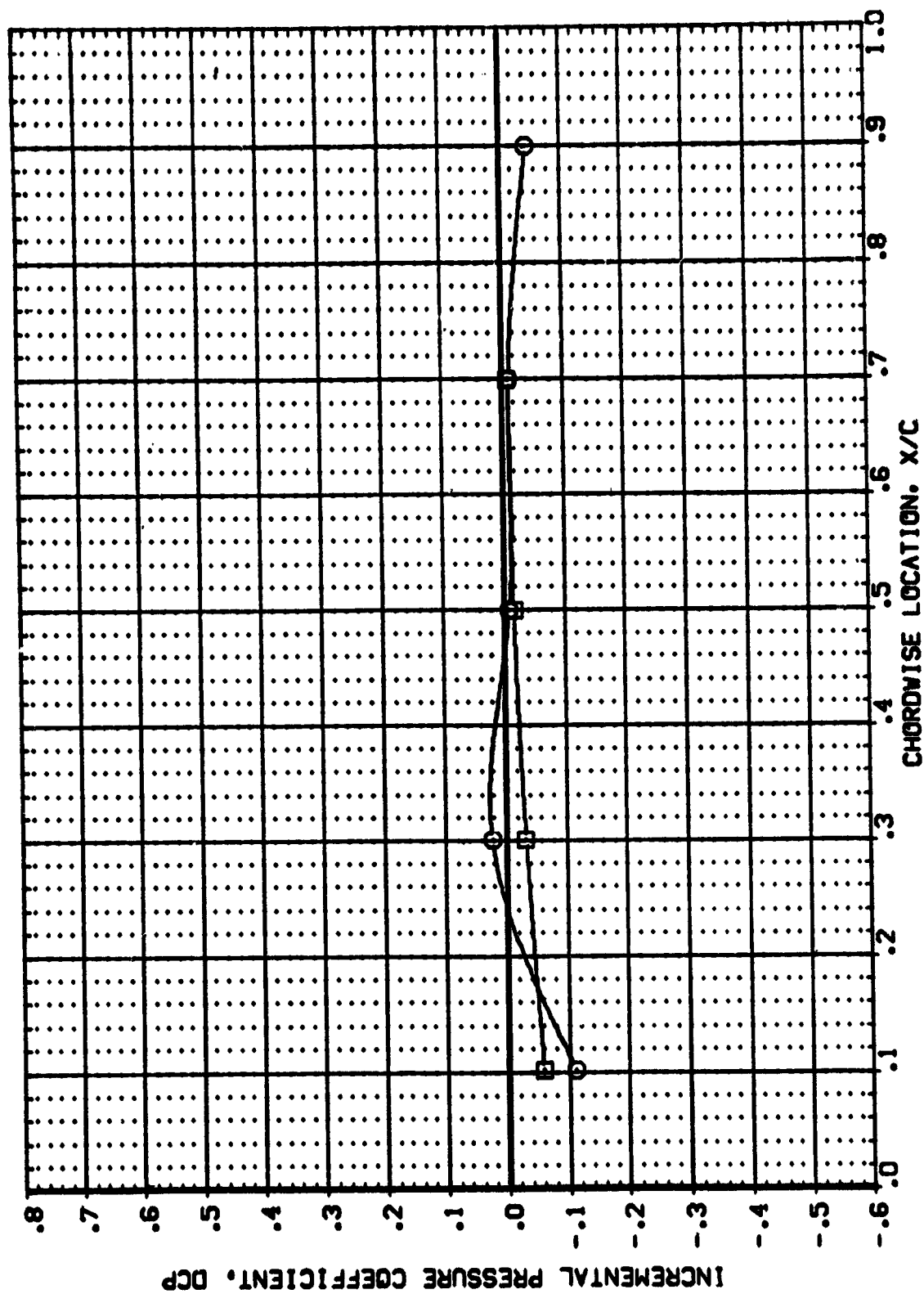


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -.030 2Y/B = .500

DATA SET SYMBOL: **B** CONFIGURATION DESCRIPTION: **1AGB (C1F1M2(1)+FILLET) - (C1F1) UPPER VING** ALPHA: **.000**
2AGB (C1F1M2(1)+FILLET) - (C1F1) LOWER VING **.000**

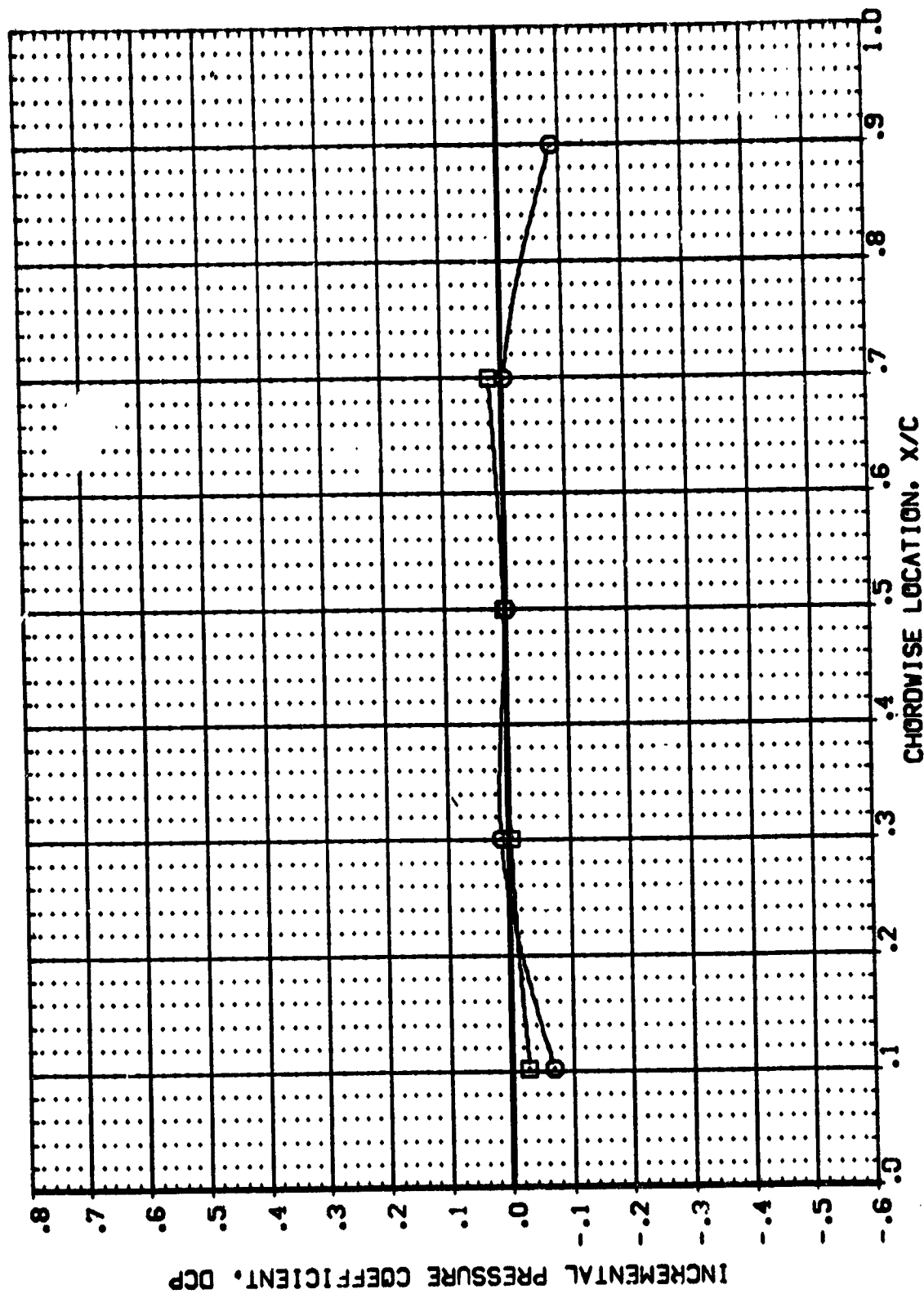


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 1.880 2Y/B = .500



DATA SET SYMBOL. CONFIGURATION DESCRIPTION

[AF4LOB] 1A88 (CIP1M211)+FILLET) - (CIP1) UPPER WING
 [AF4LOB] 1A88 (CIP1M211)+FILLET) - (CIP1) LOWER WING

ALPHA
 .000
 .000

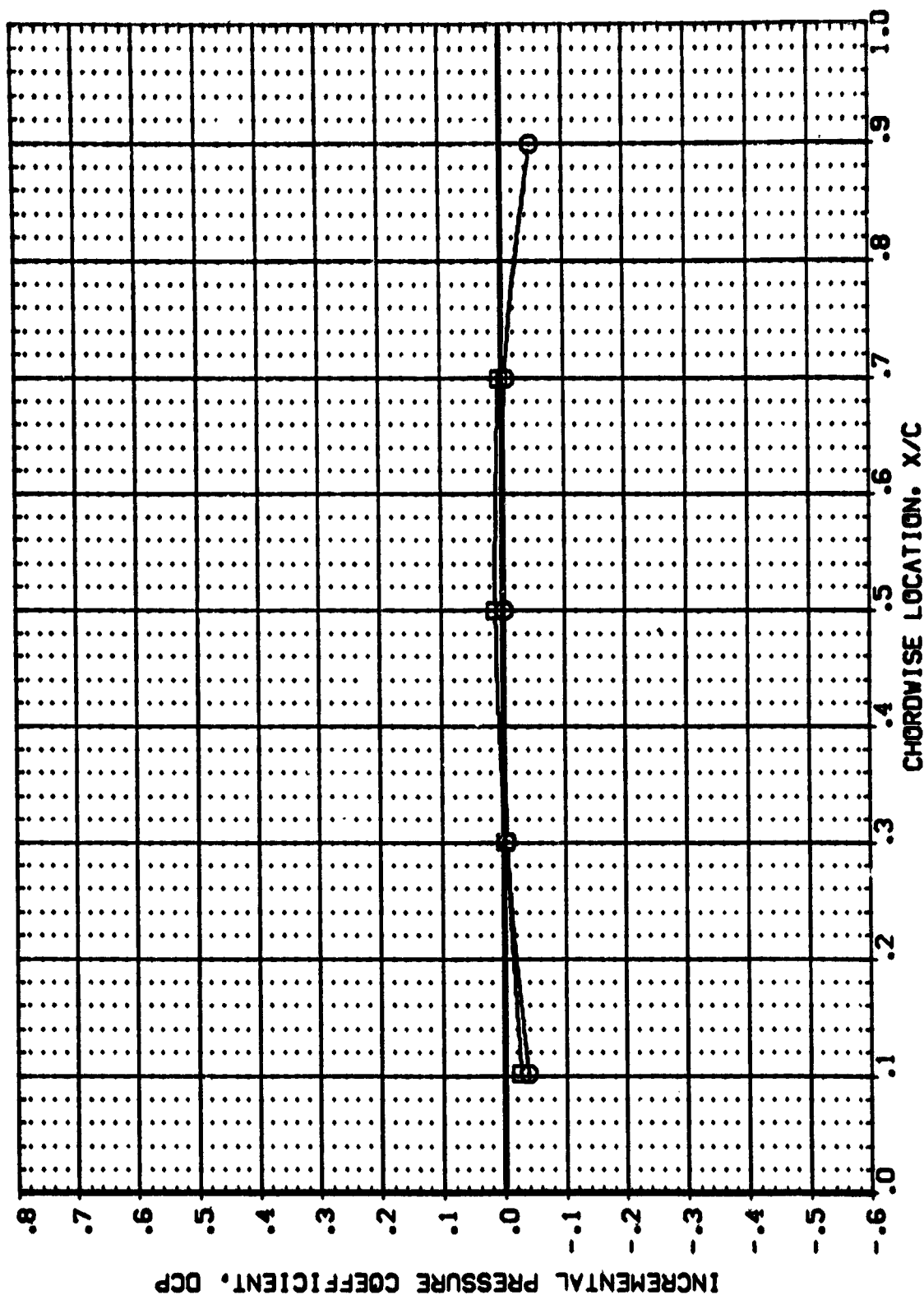


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 3.810 2Y/B = .500

| DATA SET SYMBOL | CONFIGURATION | DESCRIPTION | ALPHA |
|-----------------|---------------|-----------------------------|------------|
| [AF4L08] | 1A88 | [C1F1]2[1]+F1LLET] - [C1F1] | UPPER VING |
| [AF4L08] | 1A88 | [C1F1]2[1]+F1LLET] - [C1F1] | LOWER VING |

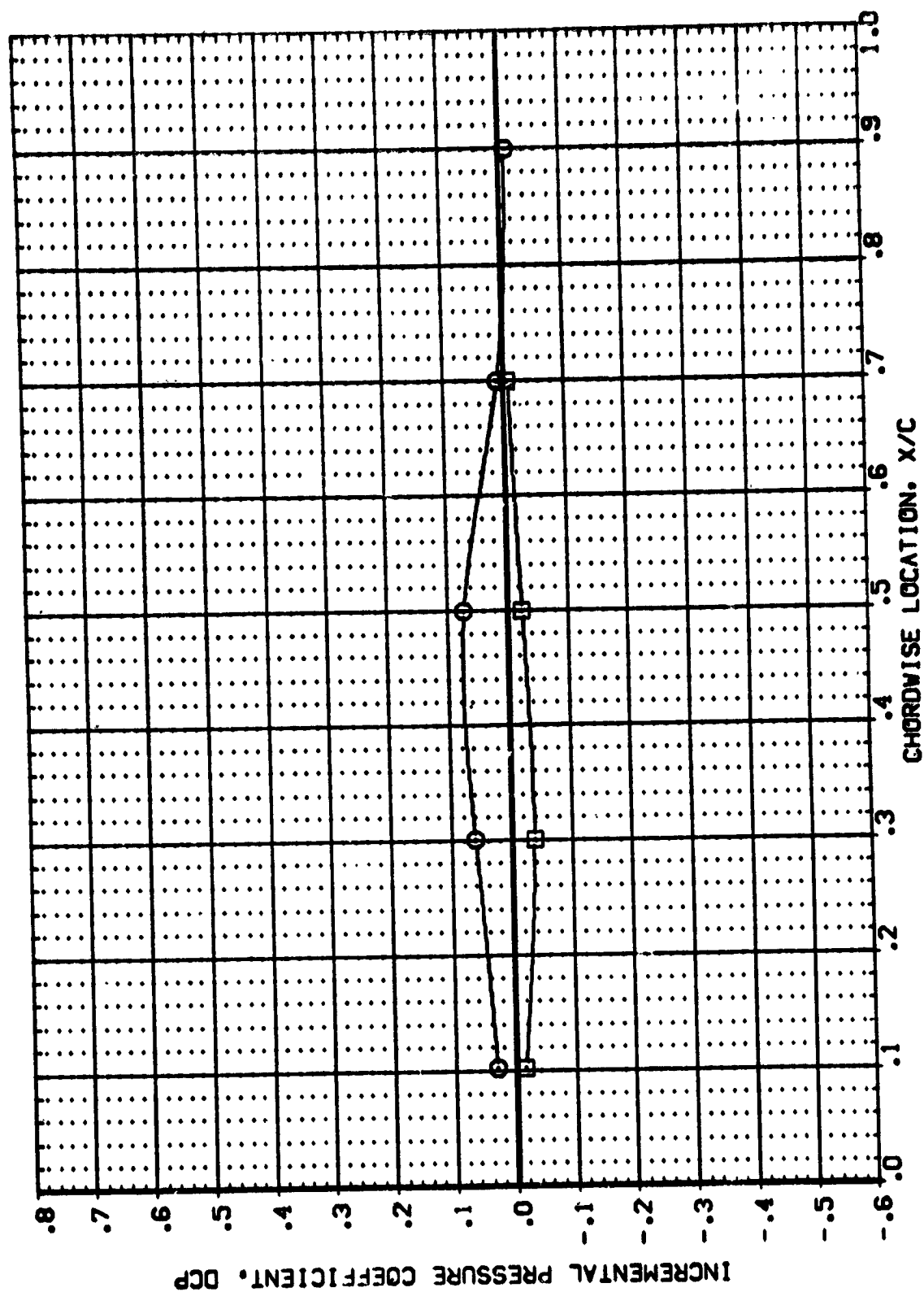


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

PAGE 246

FIG 11. FIRST DIFFERENCE AND LOG RATIO

| | | | | | | | | |
|------|---|-------|------|---|--------|------|---|------|
| MACH | = | 1.210 | BETA | = | -3.880 | 2Y/B | = | .500 |
|------|---|-------|------|---|--------|------|---|------|



DATA SET SYMBOL: 9
 [AF4LOB] [AF4LOB]
 [AF4LOB] [AF4LOB]

CONFIGURATION DESCRIPTION: (C1F1) UPPER VING (C1F1) LOWER VING
 [AF4LOB] [AF4LOB]
 [AF4LOB] [AF4LOB]

ALPHA: .000
 .000

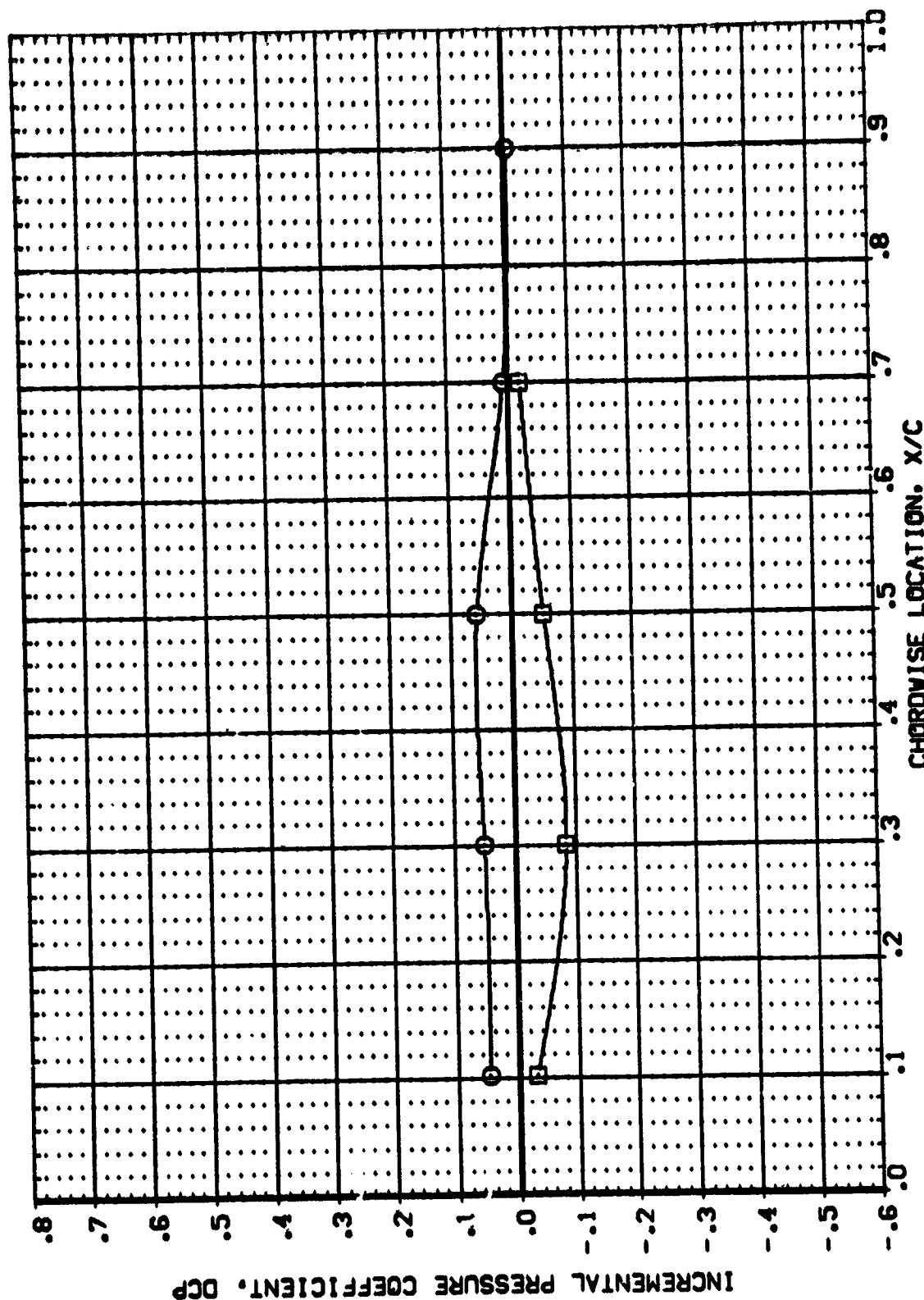


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = -1.830 2Y/B = .500 PAGE 247

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1AG8 (C1F1)2(1)+FILLET) - (C1F1) UPPER WING**
1AG8 (C1F1)2(1)+FILLET) - (C1F1) LOWER WING
 ALPHA: **.000**
.000

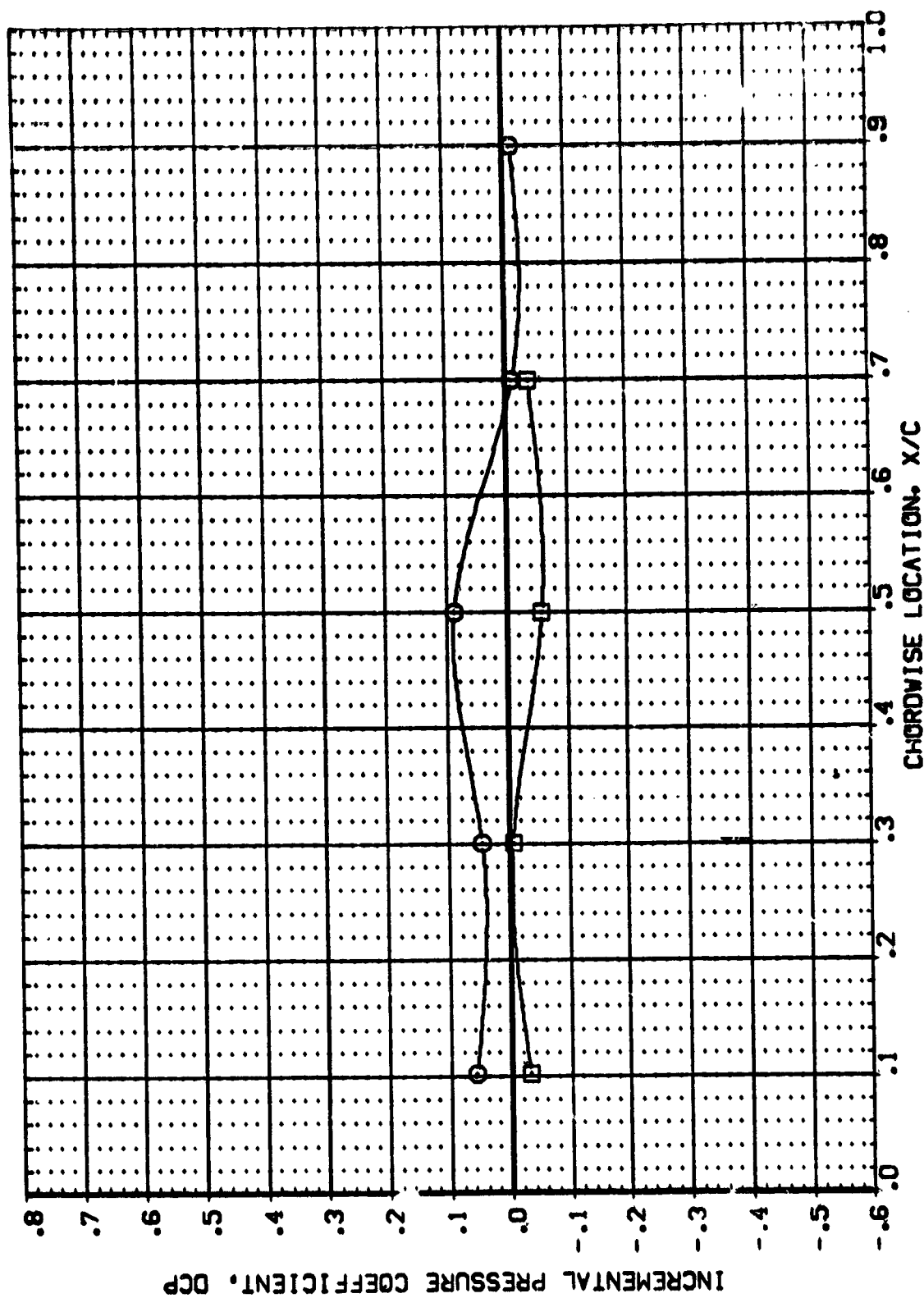


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = .140 2Y/B = .500 PAGE 248



DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: **1A68 (C1F1M2(1)+FILLET) - (C1F1) UPPER VING** ALPHA: **.000**
1A68 (C1F1M2(1)+FILLET) - (C1F1) LOWER VING ALPHA: **.000**

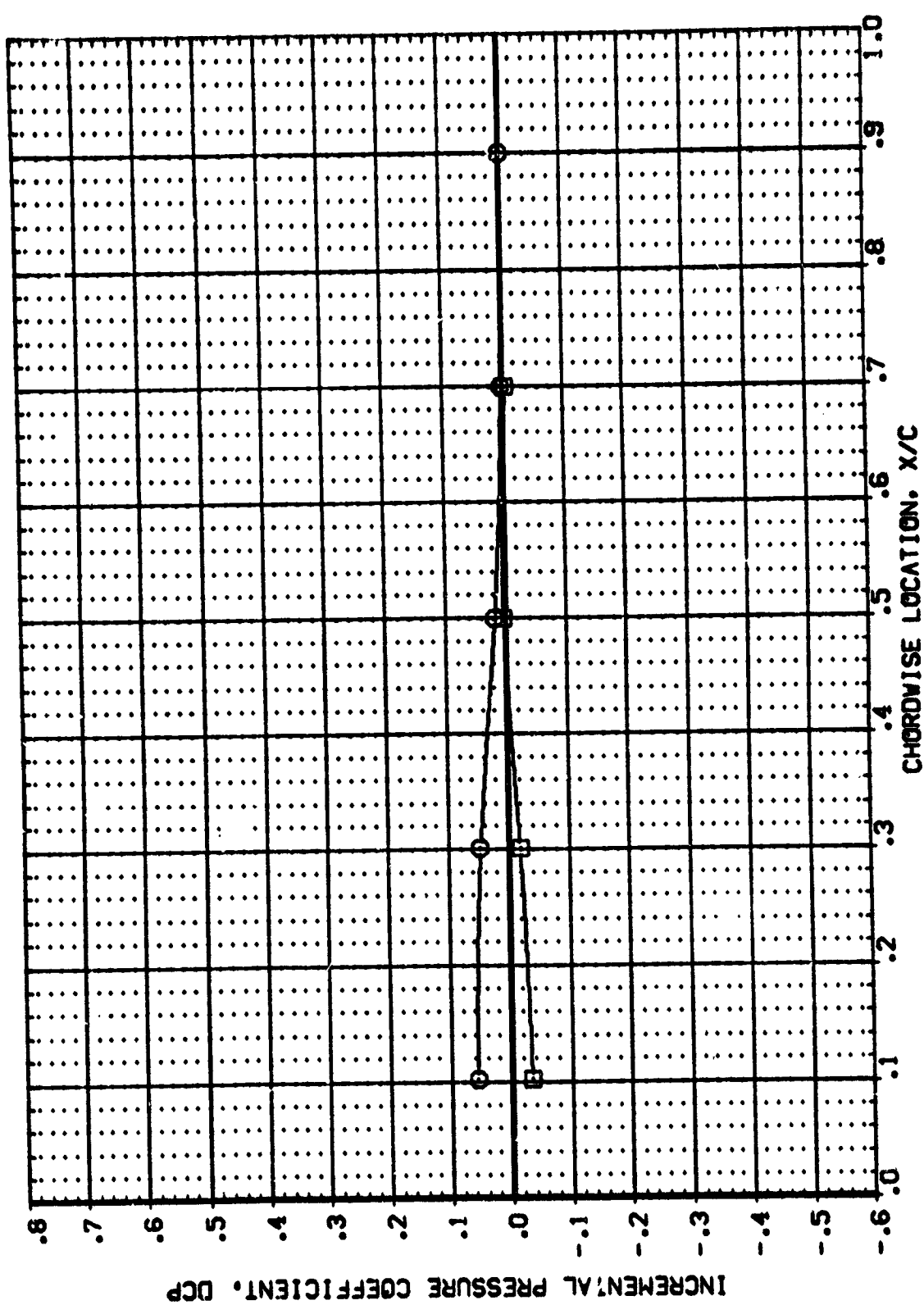
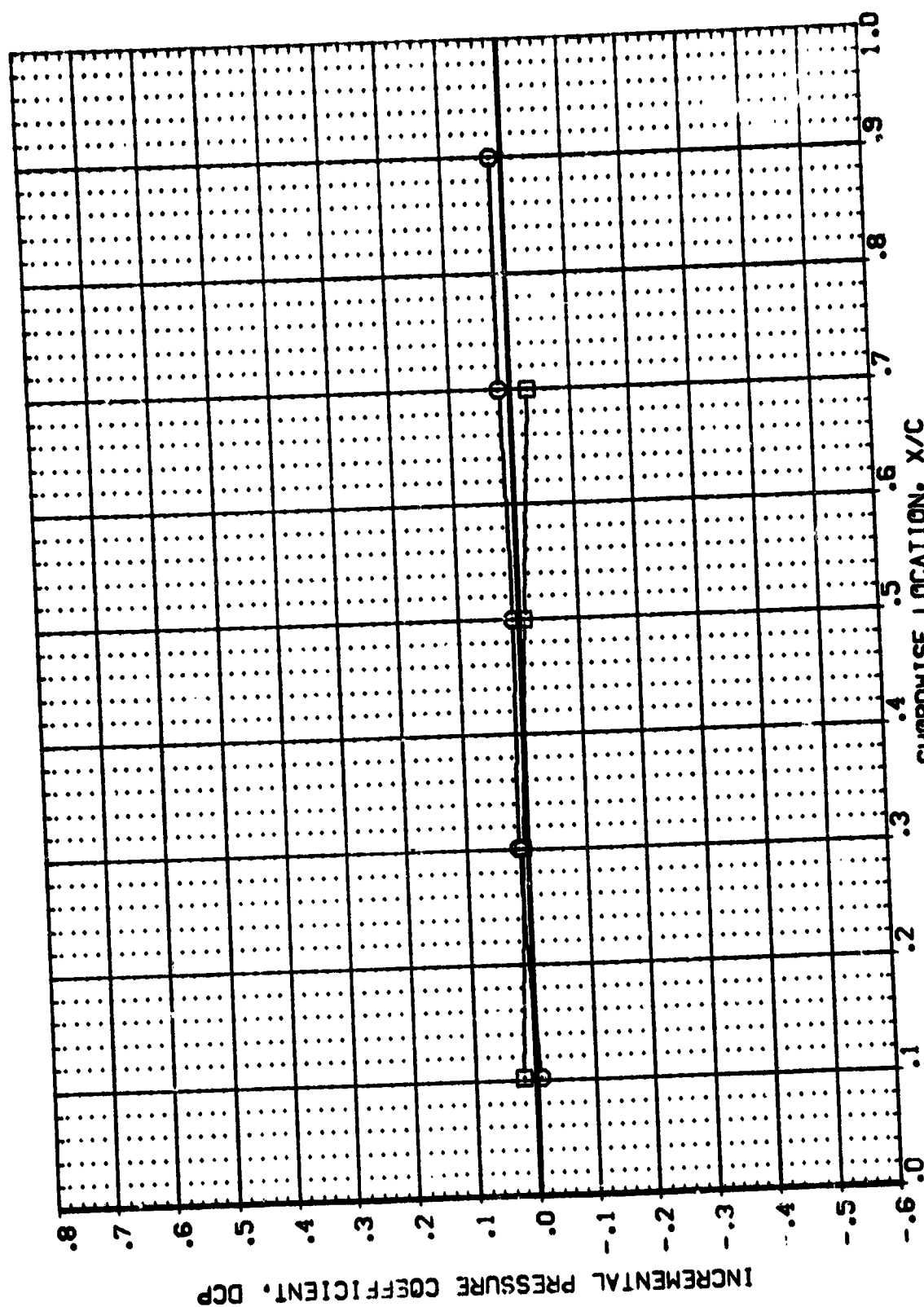


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = 4.070 2Y/B = .500 PAGE 249

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION |
|-----------------|---|
| (AF4LOB) | IAGB (C1F1M211)+FILLET) - (C1F1) UPPER WING |
| (AF4LOB) | IAGB (C1F1M211)+FILLET) - (C1F1) LOWER WING |



CHORDWISE LOCATIONS AND PRESSURE COEFFICIENTS - BETA SWEEPS

PAGE 250

FIG 11 SIRUT DIFFERENTIAL WING PRESSURE

| | | |
|--------------|---------------|-------------|
| MACH = 1.991 | BETA = -3.800 | 2Y/B = .500 |
|--------------|---------------|-------------|

ALPHA 0000



MACH = 1.991 BETA = -1.760 2Y/B = .500

DATA SET SYMBOL: [AF4LO8] [AF4LO8] CONFIGURATION DESCRIPTION: [AF4LO8] [AF4LO8] UPPER WING [AF4LO8] [AF4LO8] LOWER WING ALPHA: .000 .000

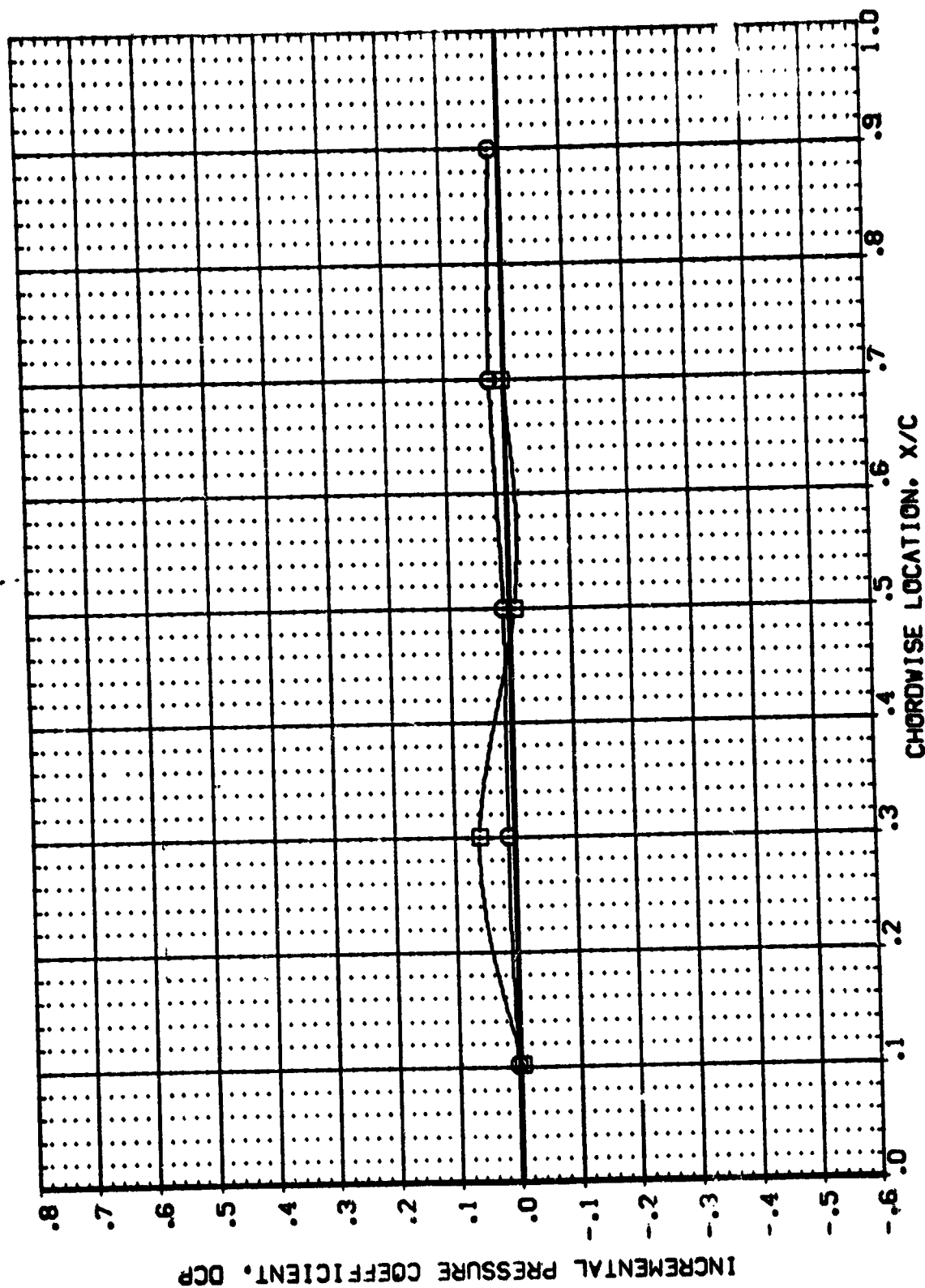


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = .210 2Y/B = .500 PAGE 252

DATA SET SYMBOL: [AF4LOB] [AF4LOB] CONFIGURATION DESCRIPTION: IASB (C1F1M2(1)+FILLET) - (C1F1) UPPER WING ALPHA: .000
 IASB (C1F1M2(1)+FILLET) - (C1F1) LOWER WING .000

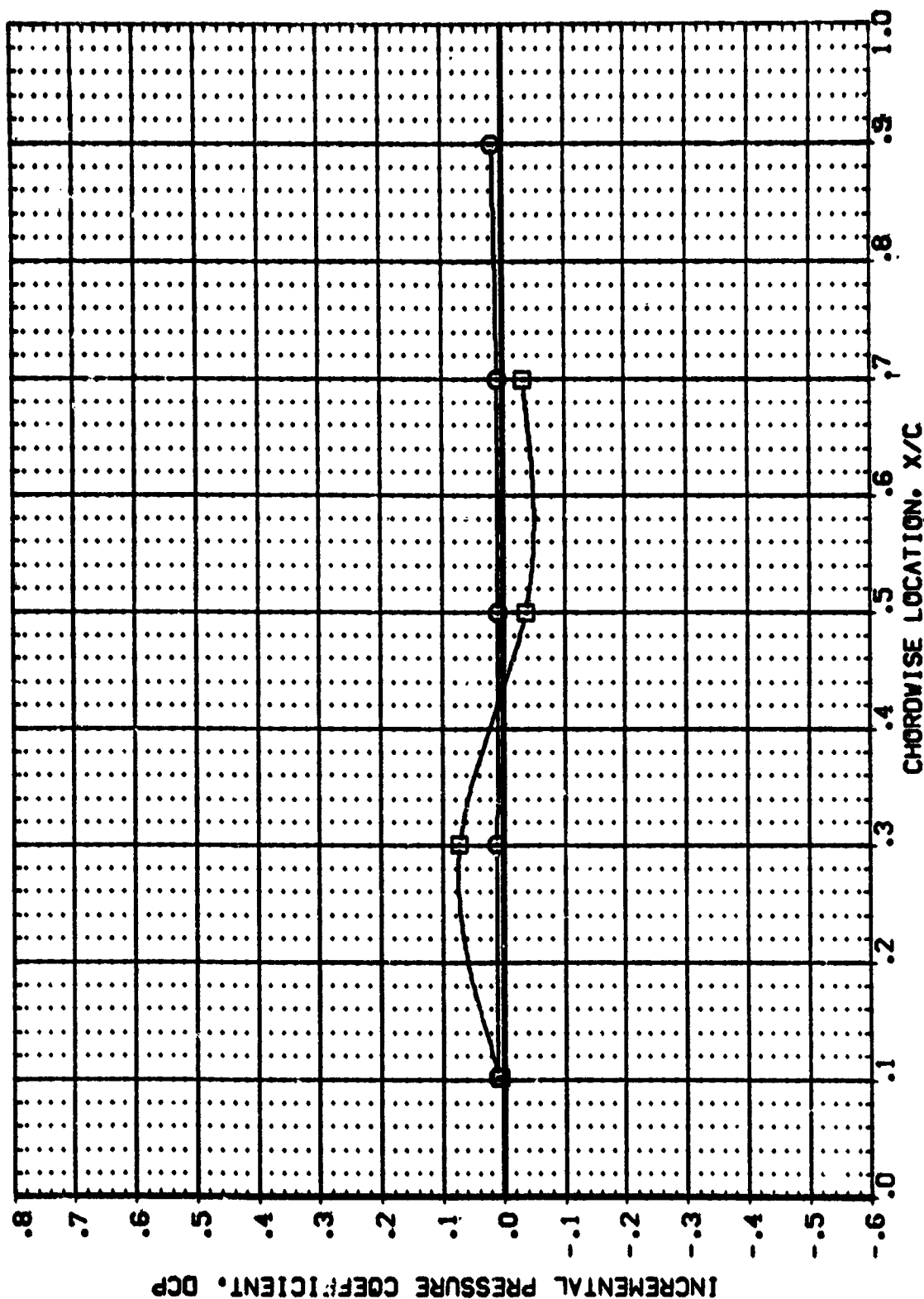


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 2.160 2Y/B = .500

DATA SET SYMBOL: ☐ 1A68 (C1F1M211)+FILLET) - (C1F1) UPPER WING ALPHA .000
☐ 1A68 (C1F1M211)+FILLET) - (C1F1) LOWER WING .000

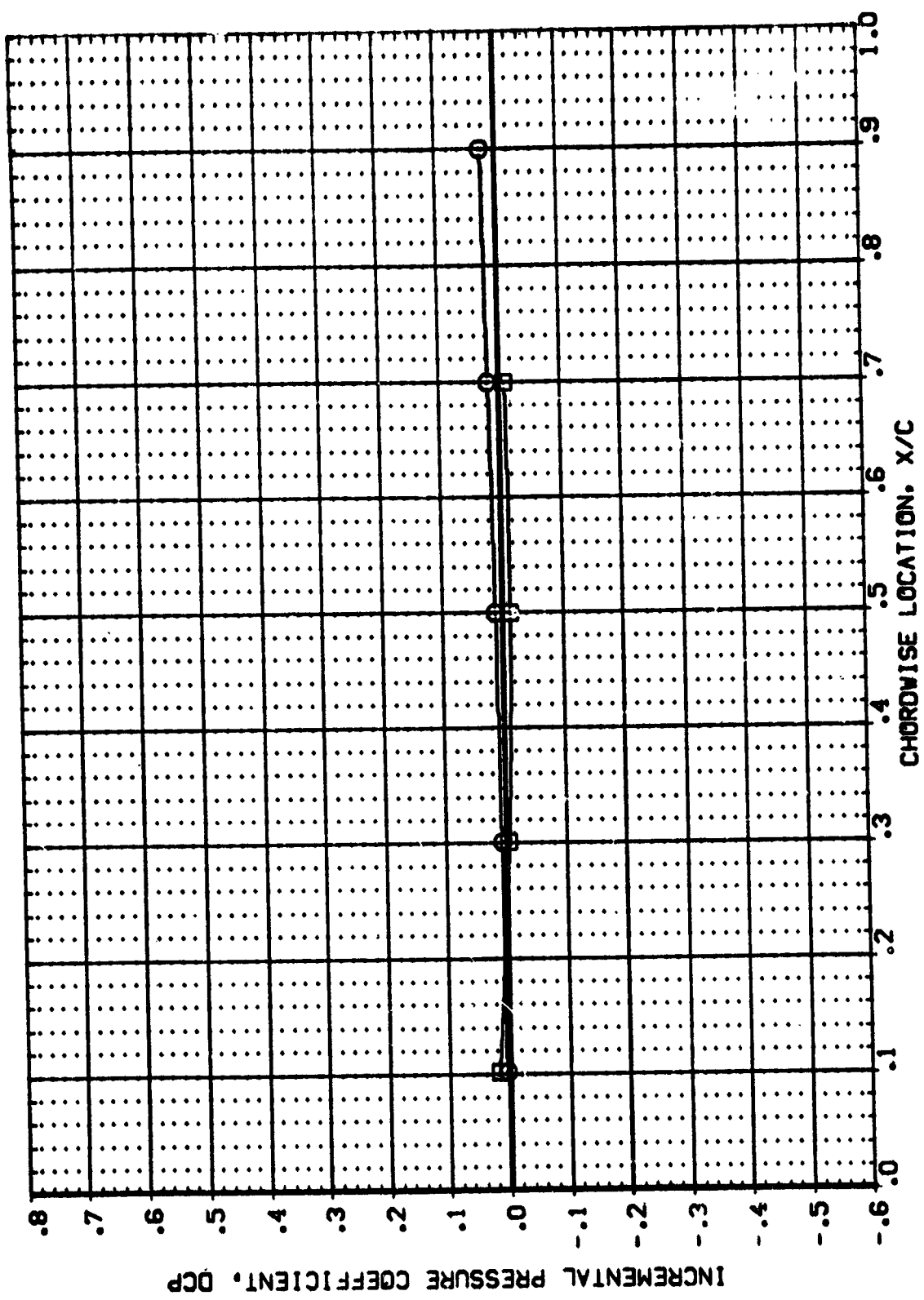


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 4.060 2Y/B = .500 PAGE 254



DATA SET SYMBO. CONFIGURATION DESCRIPTION ALPHA
 {AF4U08} □ IASB {C1F1M2{1}+FILLET} - {C1F1} UPPER WING .000
 {AF4L08} IASB {C1F1M2{1}+FILLET} - {C1F1} LOWER WING .000

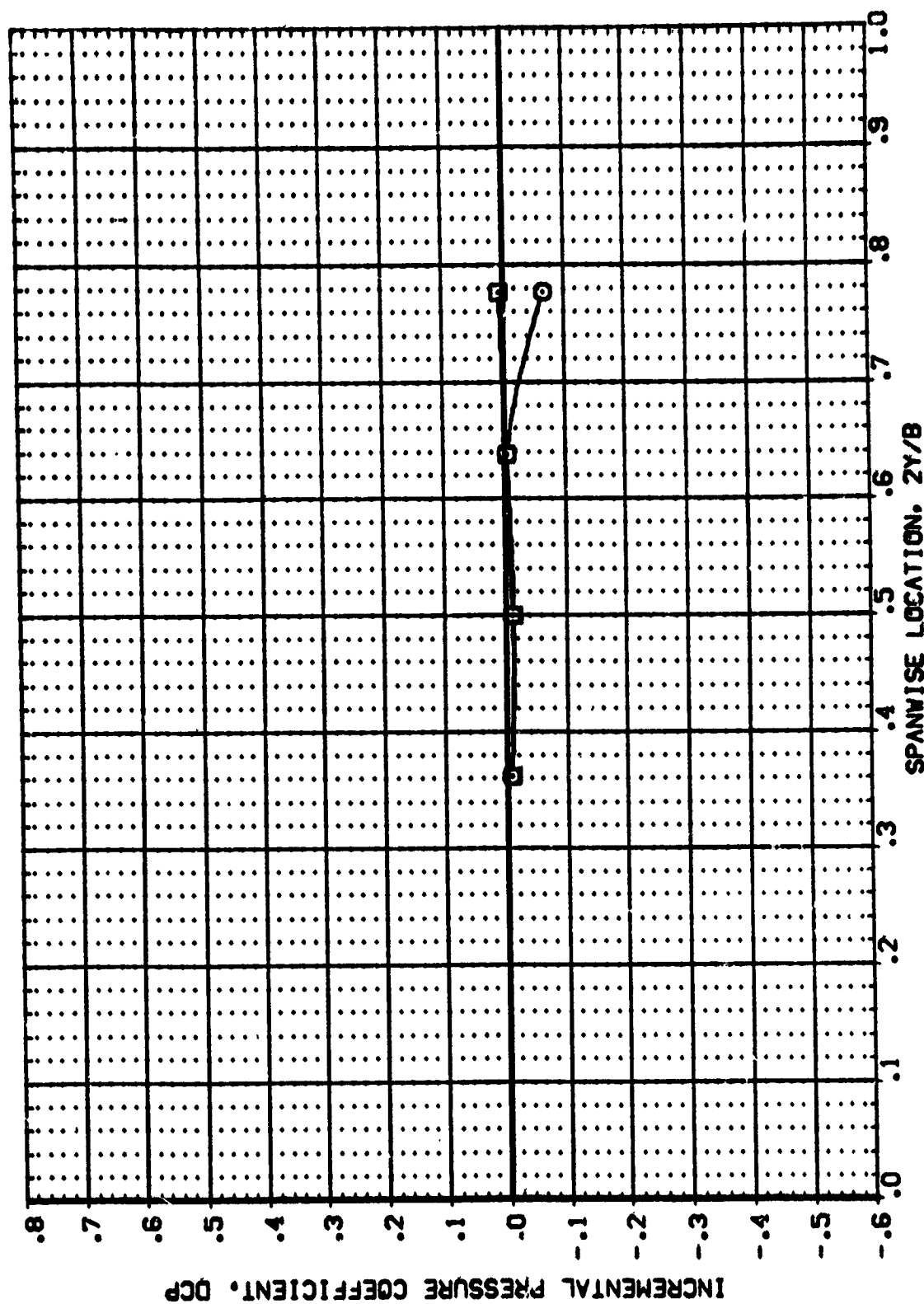


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -3.930 X/C = .500

DATA SET SYMBOL: 9
 (AF4LOB) (AF4LOB)
 CONFIGURATION DESCRIPTION: 1A68 (C1F1P2{1}+F1LLET) - (C1F1) UPPER VING
 1A68 (C1F1P2{1}+F1LLET) - (C1F1) LOWER VING
 ALPHA: .000
 .000

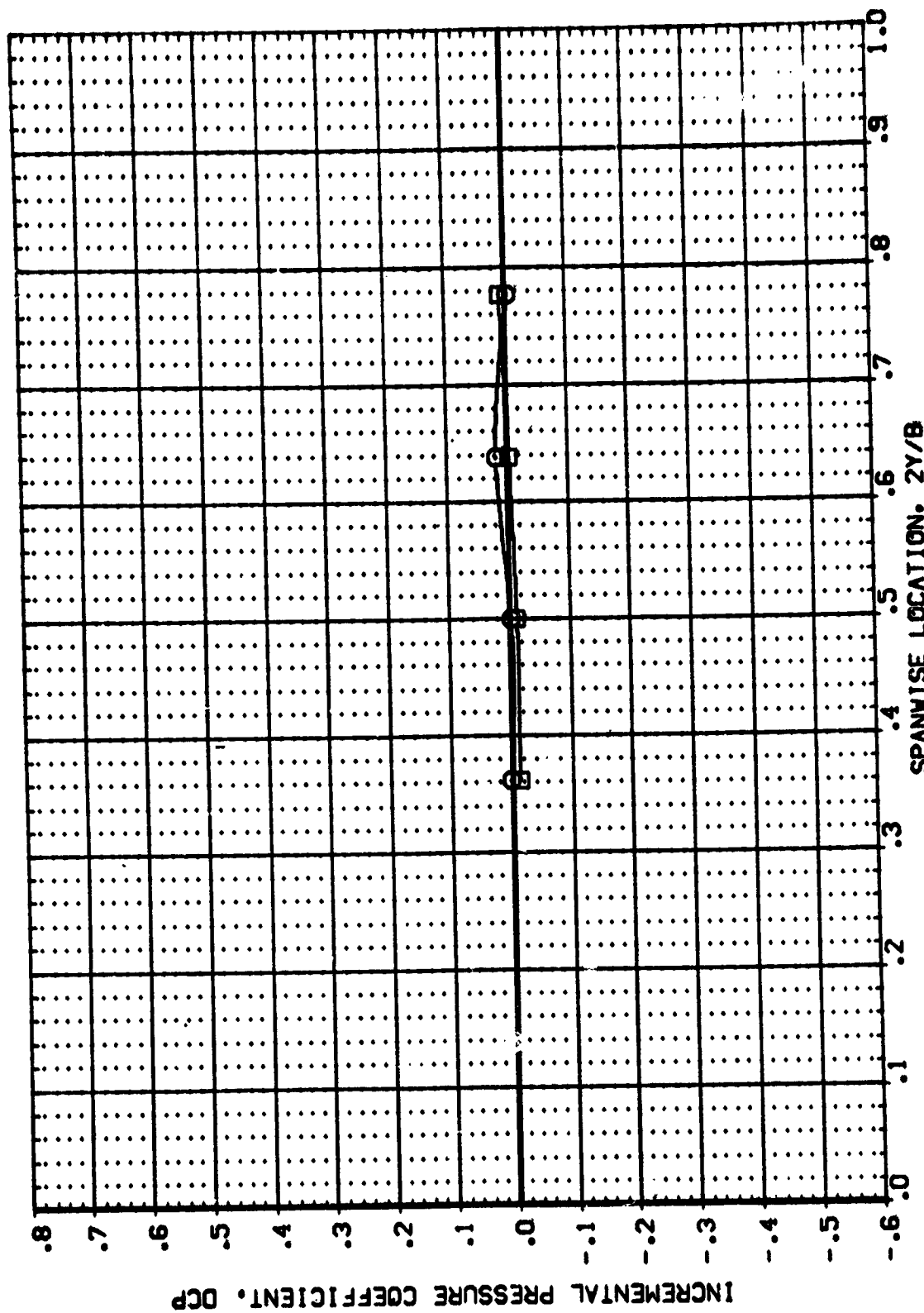


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -1.950 X/C = .500
 PAGE 256



ALPHA
.000
.000

DATA SET SYMBOL: [AF408] [AF408]
 CONFIGURATION DESCRIPTION: [AGB (C1F1M2(1)+F1LLET) - (C1F1) UPPER WING] [AGB (C1F1M2(1)+F1LLET) - (C1F1) LOWER WING]

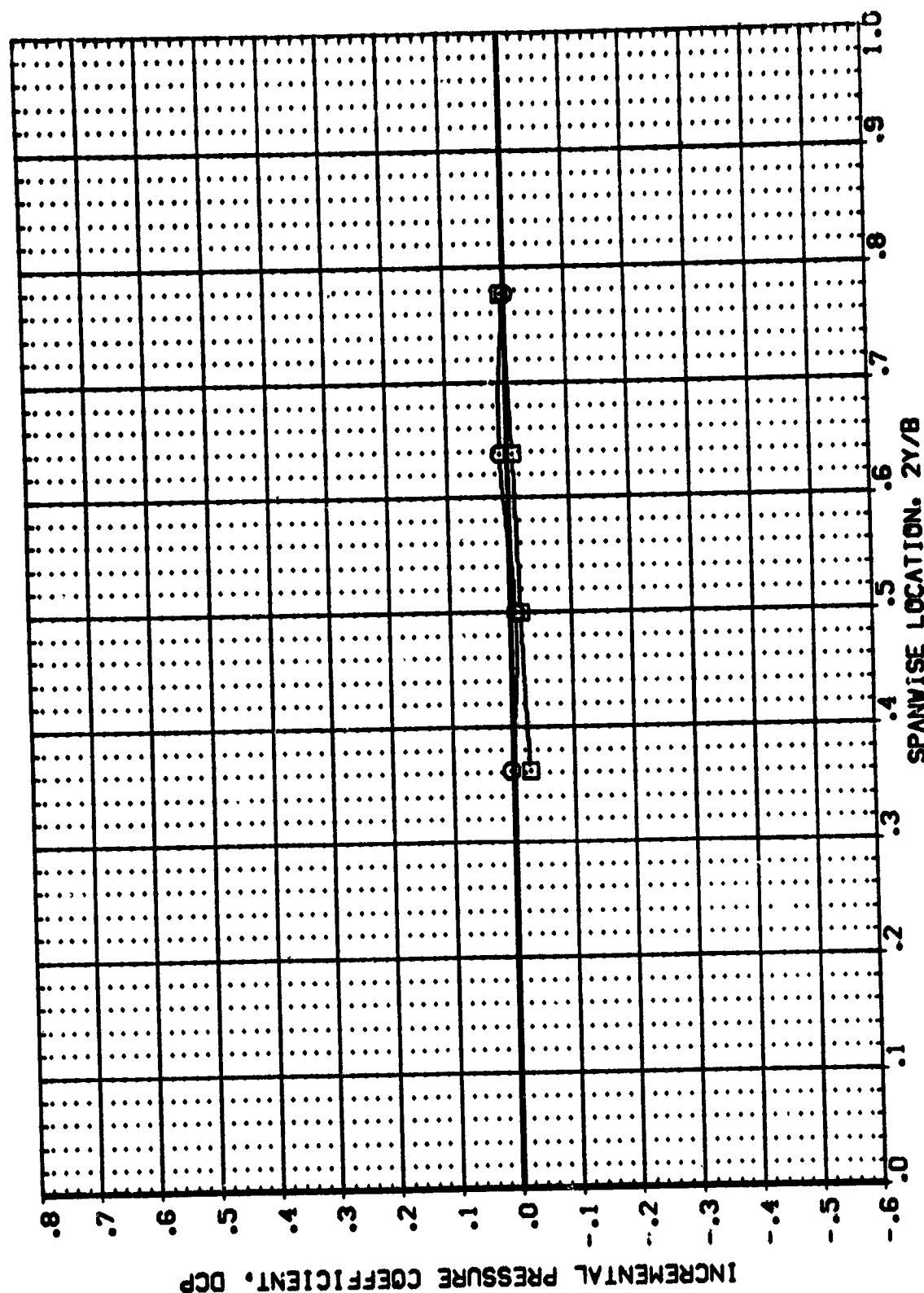


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = -.030 X/C = .500

DATA SET SYMBOL: ☐ 1A68 (C1F1M211)+FILLET) - (C1F1) UPPER WING
 (AF4LOB) ☐ 1A68 (C1F1M211)+FILLET) - (C1F1) LOWER WING
 ALPHA .000 .000

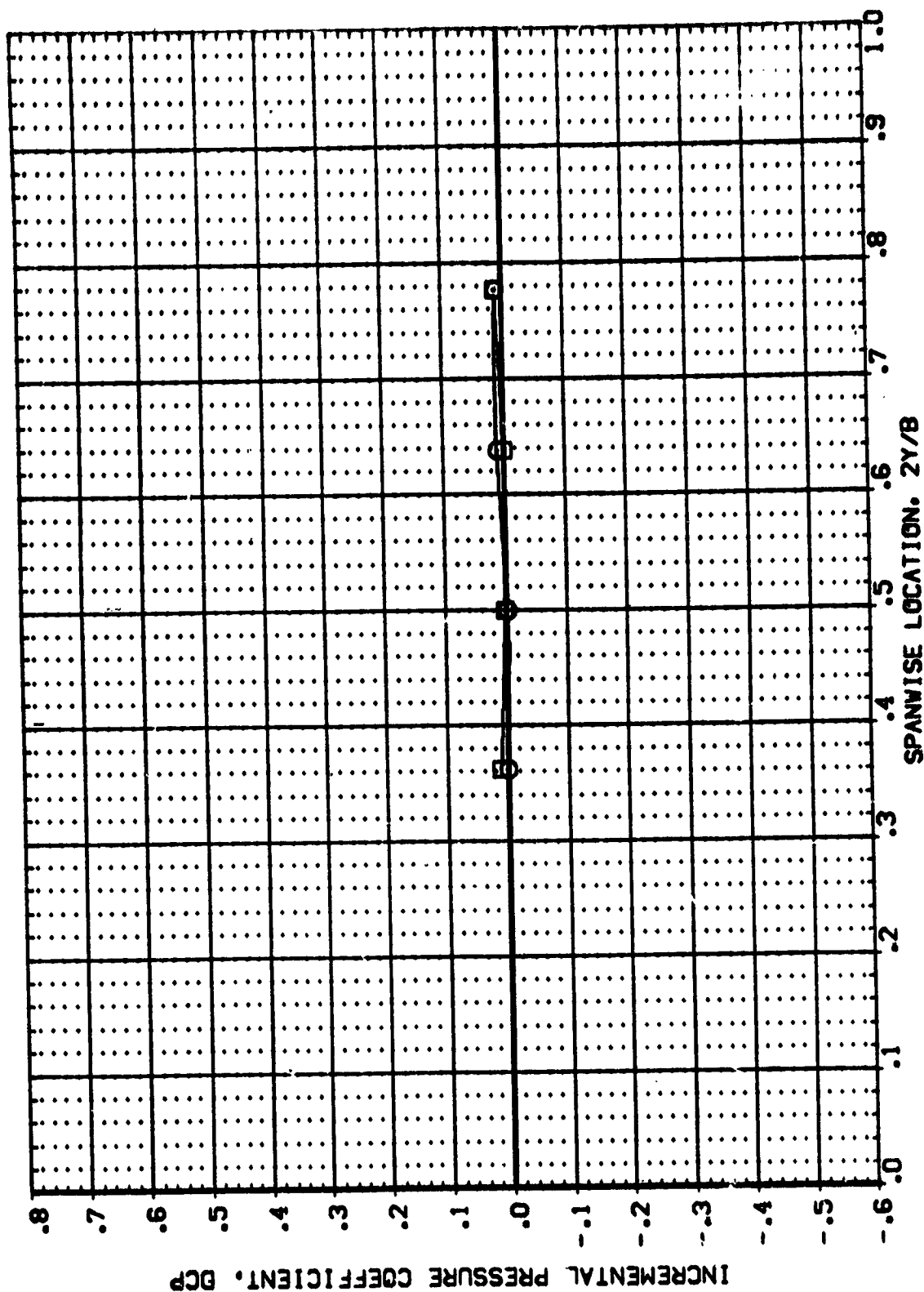


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 1.880 X/C = .500



DATA SET SYMBOL: ☐ IASB (C1F1M2(1)+FILLET) - (C1F1) UPPER WING
 (AF4LOB) IASB (C1F1M2(1)+FILLET) - (C1F1) LOWER WING
 ALPHA: .000
 .000

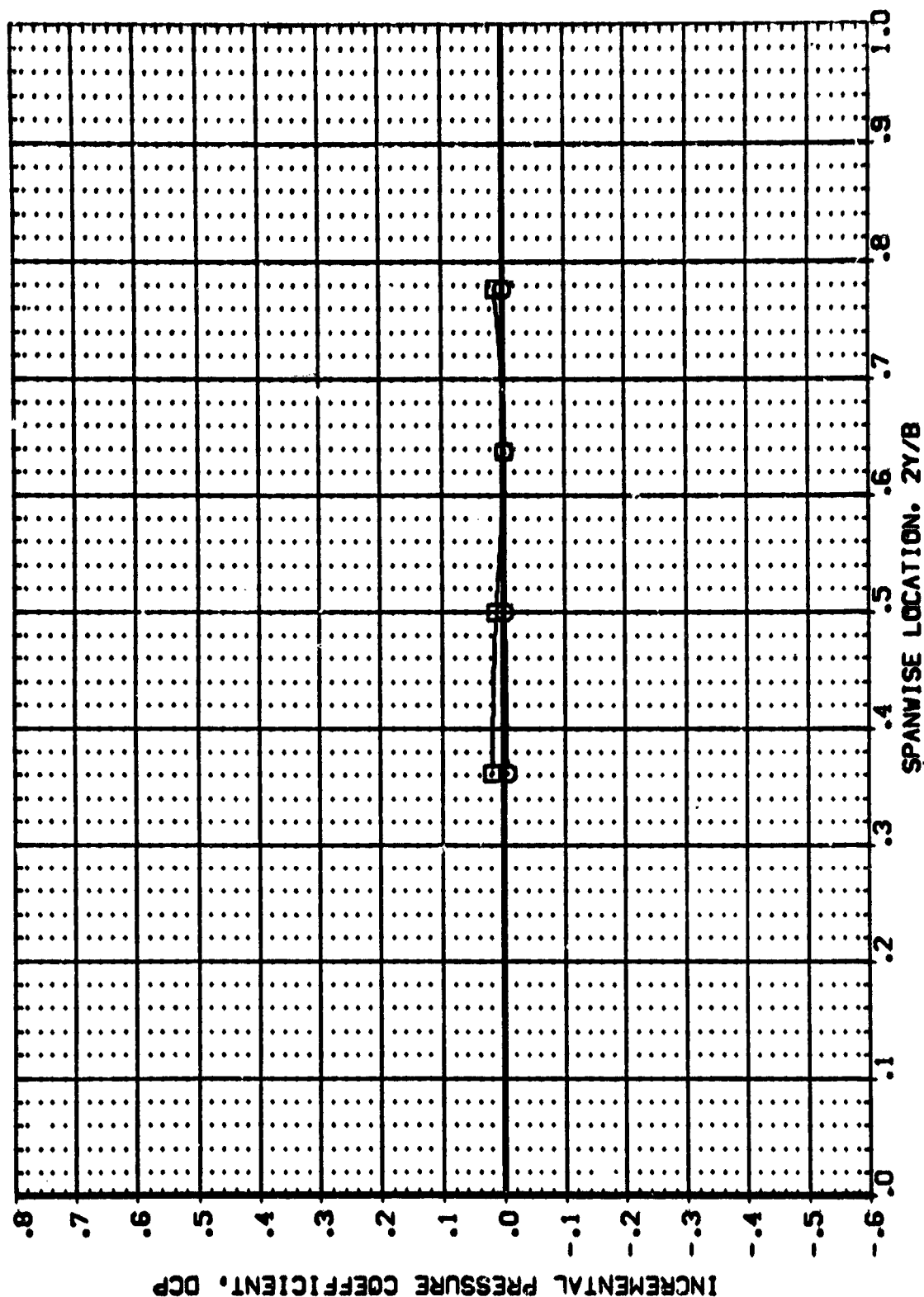


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .896 BETA = 3.810 X/C = .500

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DATA SET SYMBOL: 1A58 [C1F1M2(1)+FILLET] - [C1F1] UPPER WING
 [AF4L08] 1A58 [C1F1M2(1)+FILLET] - [C1F1] LOWER WING
 ALPHA: .000

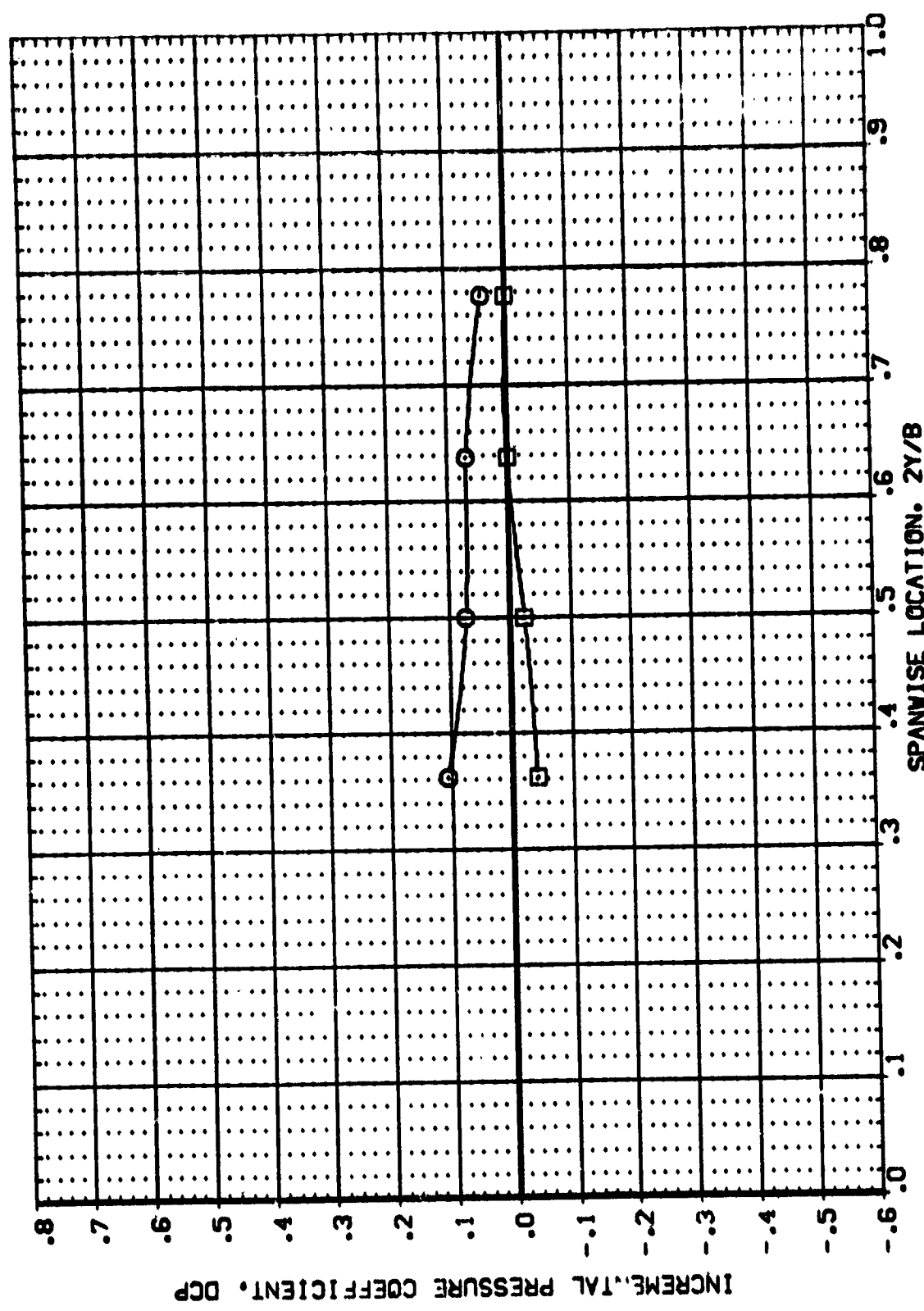


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = -3.880 X/C = .500 PAGE 260



DATA SET SYMBOL: Q CONFIGURATION DESCRIPTION: ALPHA .000
 {AF4LO8} 1A88 {C1F1M21}+FILLET - {C1F1} UPPER WING
 {AF4LO8} 1A88 {C1F1M21}+FILLET - {C1F1} LOWER WING

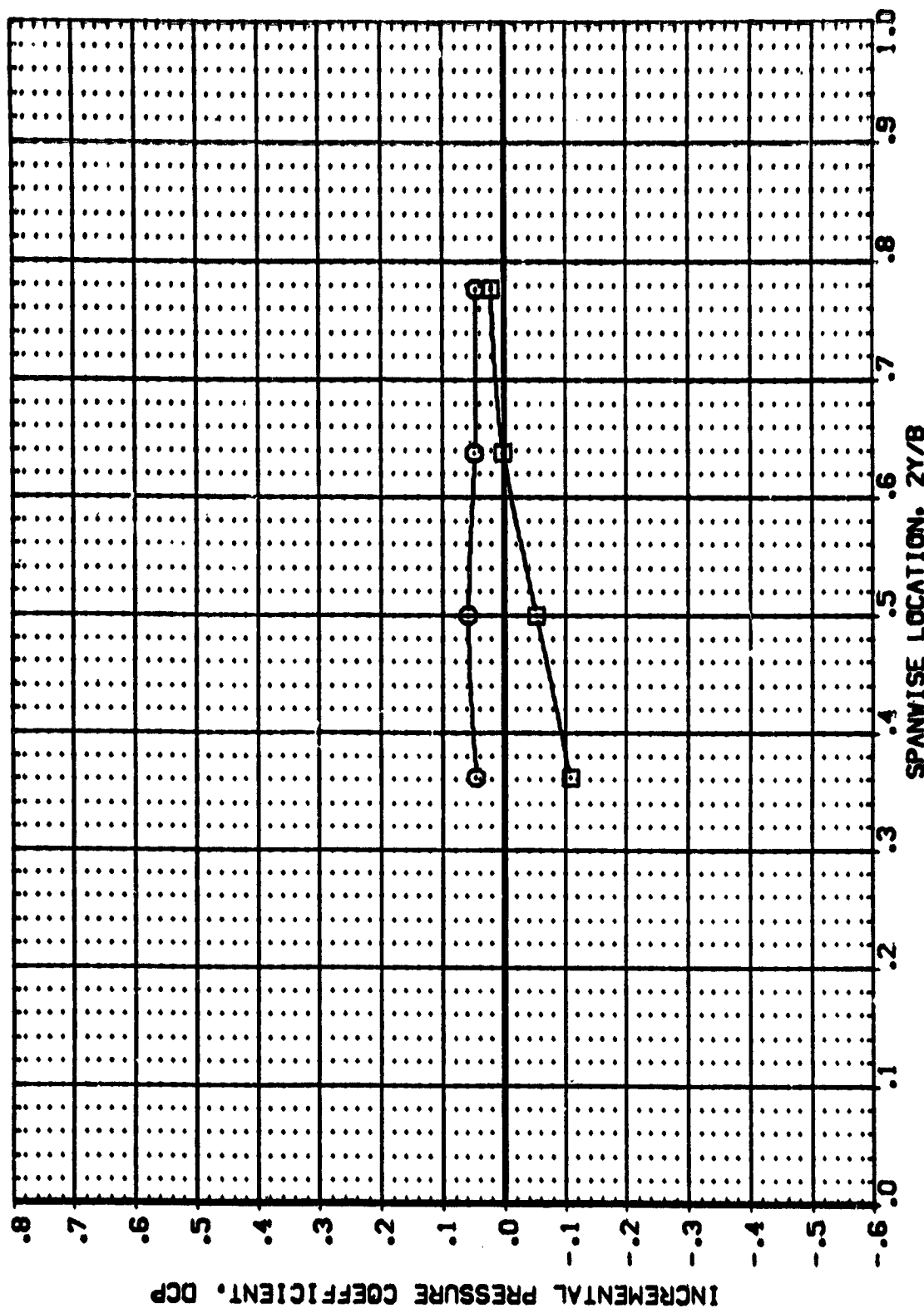


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = -1.830 X/C = .500

DATA SET SYMB. CONFIGURATION DESCRIPTION ALPHA

1A58 (C1F1N2{1})+FILLET) - (C1F1) UPPER WING .000

1A58 (C1F1N2{1})+FILLET) - (C1F1) LOWER WING .000

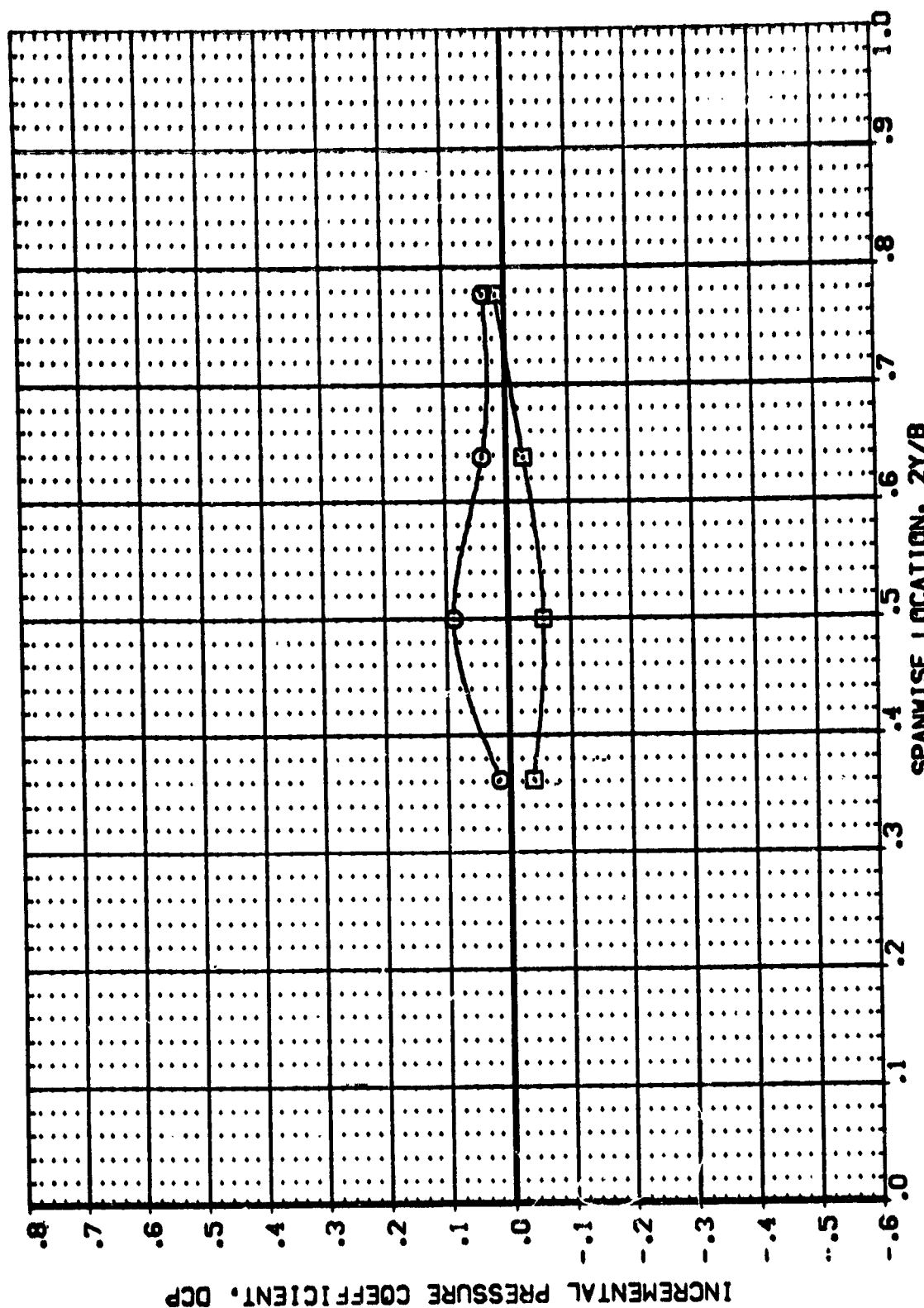
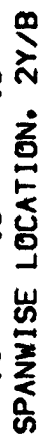


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = .140 X/C = .500



ALPHA
300,000


$$\text{MACH} = 1.210 \quad \text{BETA} = 4.070 \quad \text{X/C} = .500$$

DATA SET SYMBOL: \bar{Q} CONFIGURATION DESCRIPTION: 1A58 (C1F1M2(1)+FILLET) - (C1F1) UPPER WING
 1A58 (C1F1M2(1)+FILLET) - (C1F1) LOWER WING
 ALPHA: .000
 .000

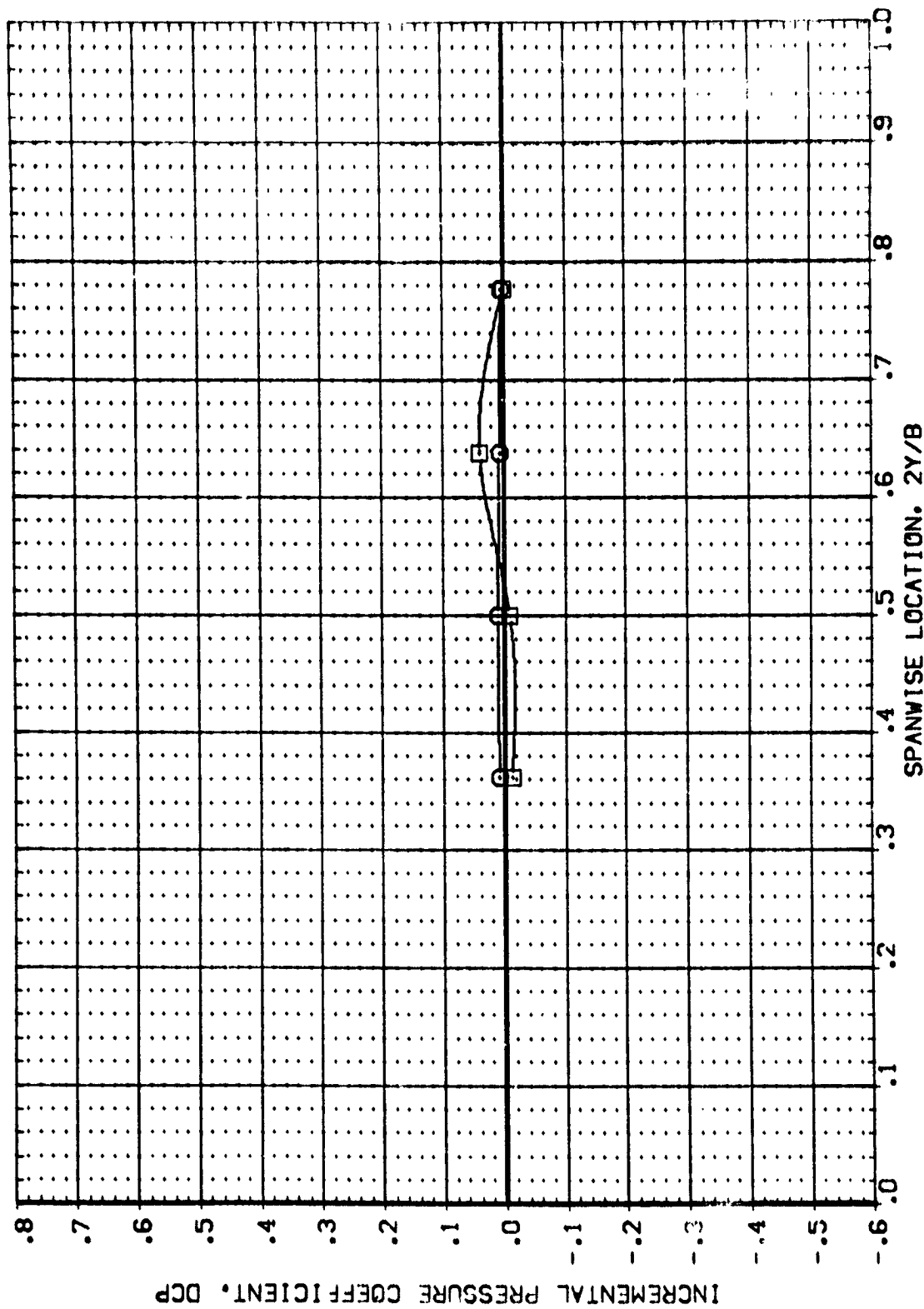
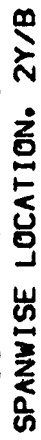


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.99; BETA = -3.800 X/C = .500 PAGE 264

ALPHA .000 .000


$$\text{MACH} = 1.991 \quad \text{BETA} = -1.760 \quad \text{X/C} = .500$$

DATA SET SYMBOL: 5
 [AF4LO8] [AF4LO8]
 CONFIGURATION DESCRIPTION: 1A68 (C1F1M2(1)+F1LLET) - (C1F1) UPPER WING
 1A68 (C1F1M2(1)+F1LLET) - (C1F1) LOWER WING

ALPHA
 .000
 .000

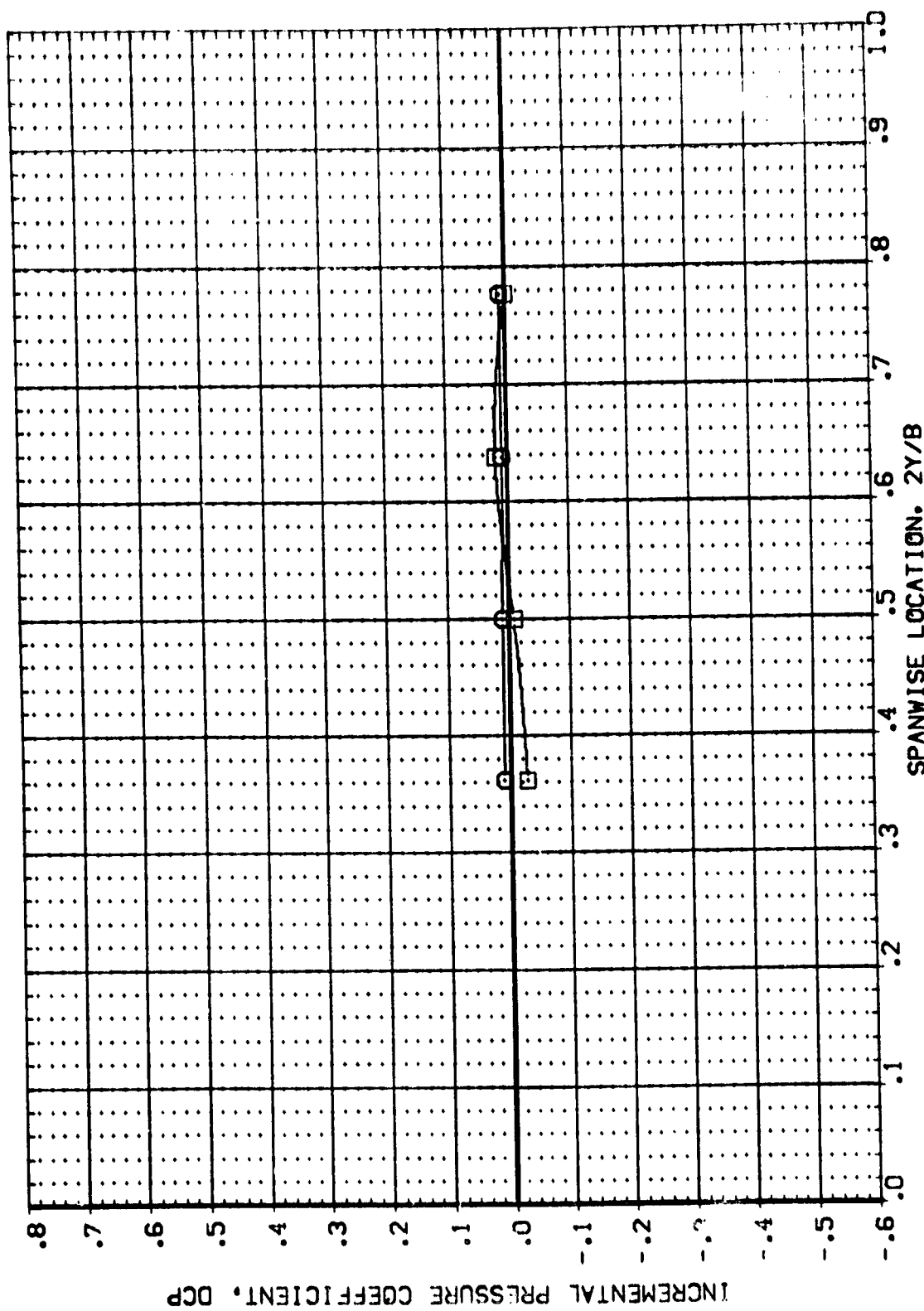


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = .210 X/C = .500



DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA

[AF408] 8 1A58 [C1F1M2[1]+FILLET] - [C1F1] UPPER WING .000

[AF408] 1A58 [C1F1M2[1]+FILLET] - [C1F1] LOWER WING .000

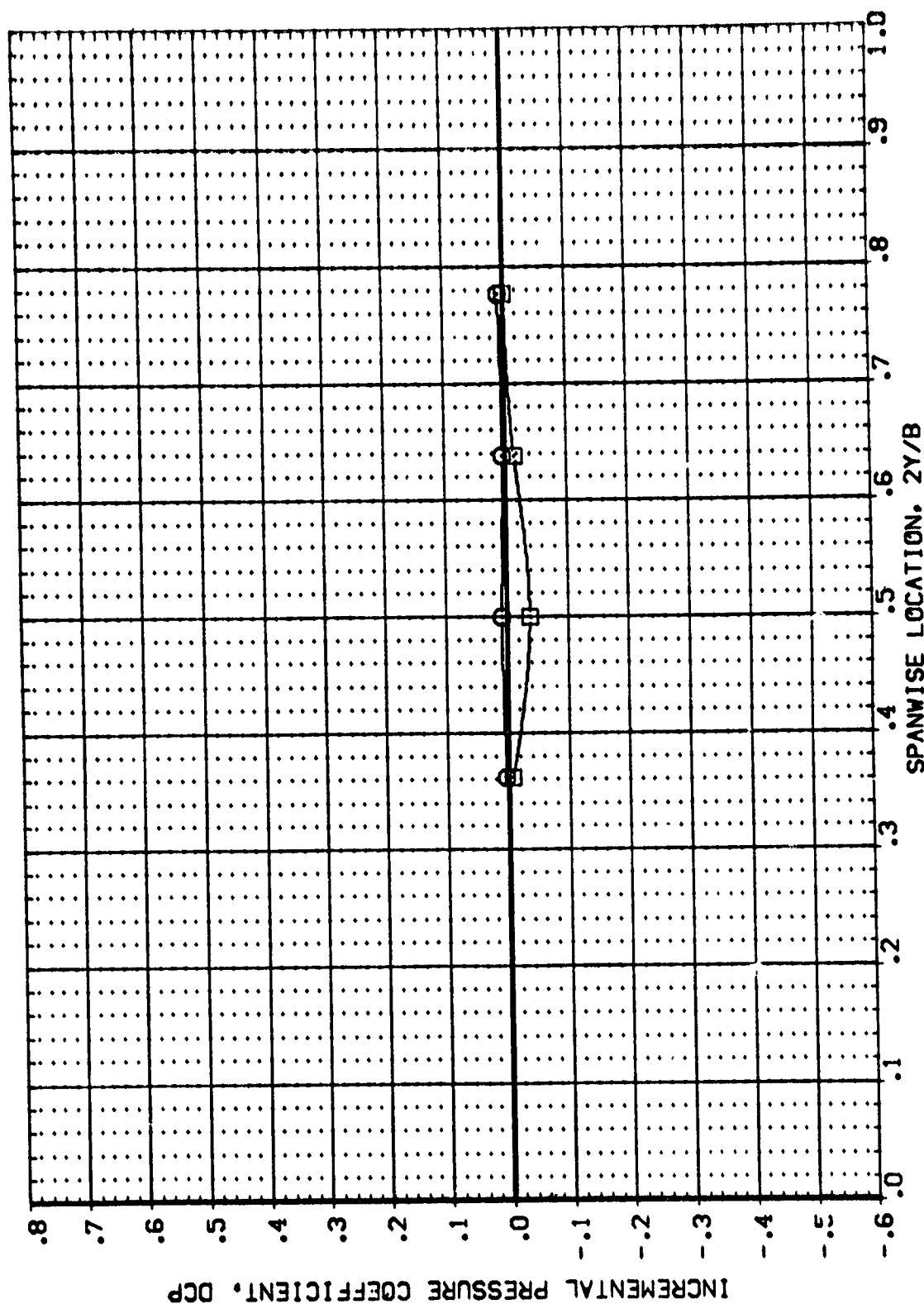


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 2.160 X/C = .500

DATA SET SYMBOL: [AF4LO8] CONFIGURATION DESCRIPTION: 1A68 [C1F1M2(1)+FILLET] - [C1F1] UPPER WING
 1A69 [C1F1M2(1)+FILLET] - [C1F1] LOWER WING ALPHA: .000 .000

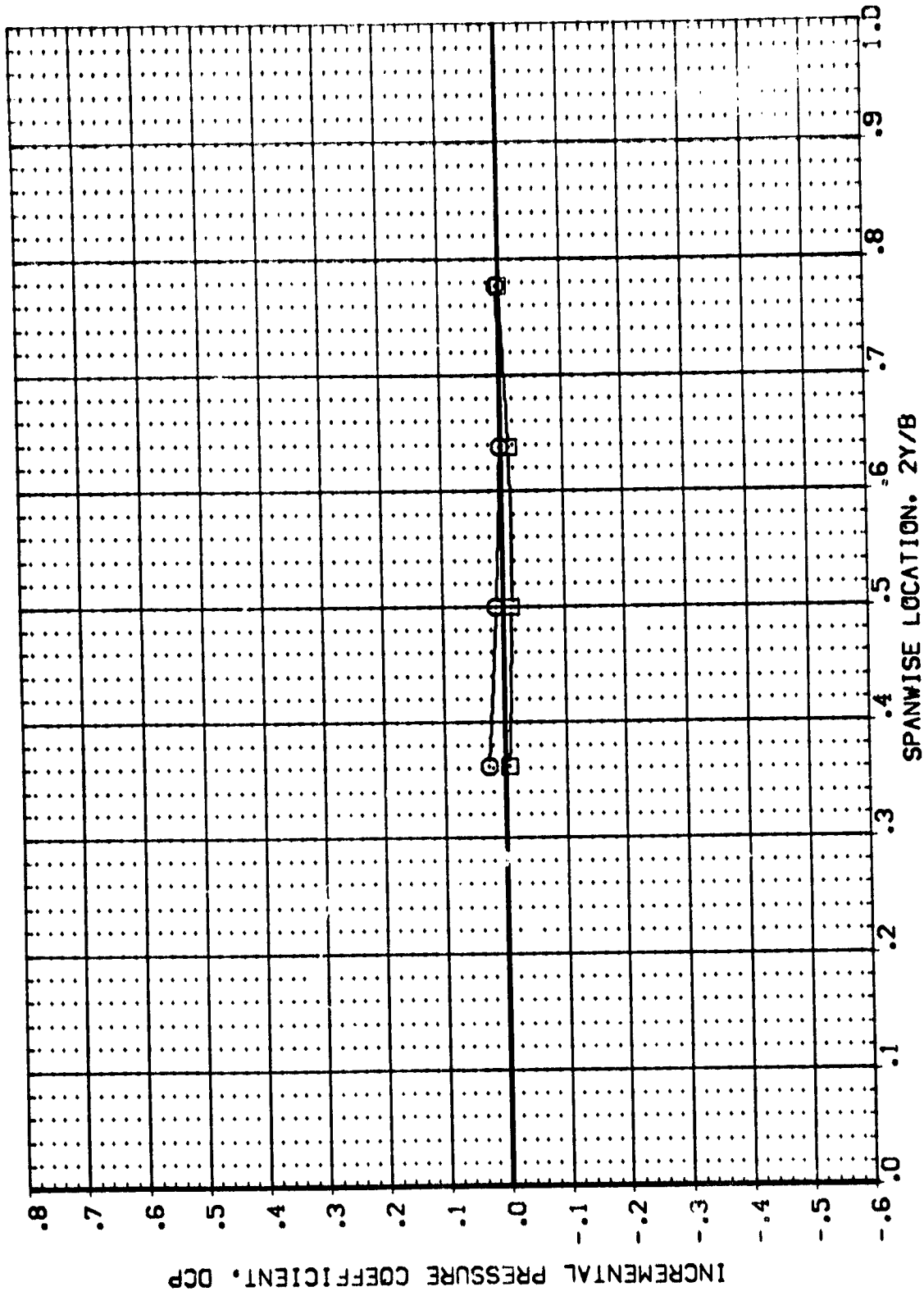


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.991 BETA = 4.060 X/C = .500



DATA SET SYMBOL: [AF4U10] [AF4L10]
 CONFIGURATION DESCRIPTION: 1A68 { C1F1M311M411 } - { C1F11 } UPPER WING
 1A68 { C1F1M311M411 } - { C1F11 } LOWER WING

ALPHA
 .000
 .000

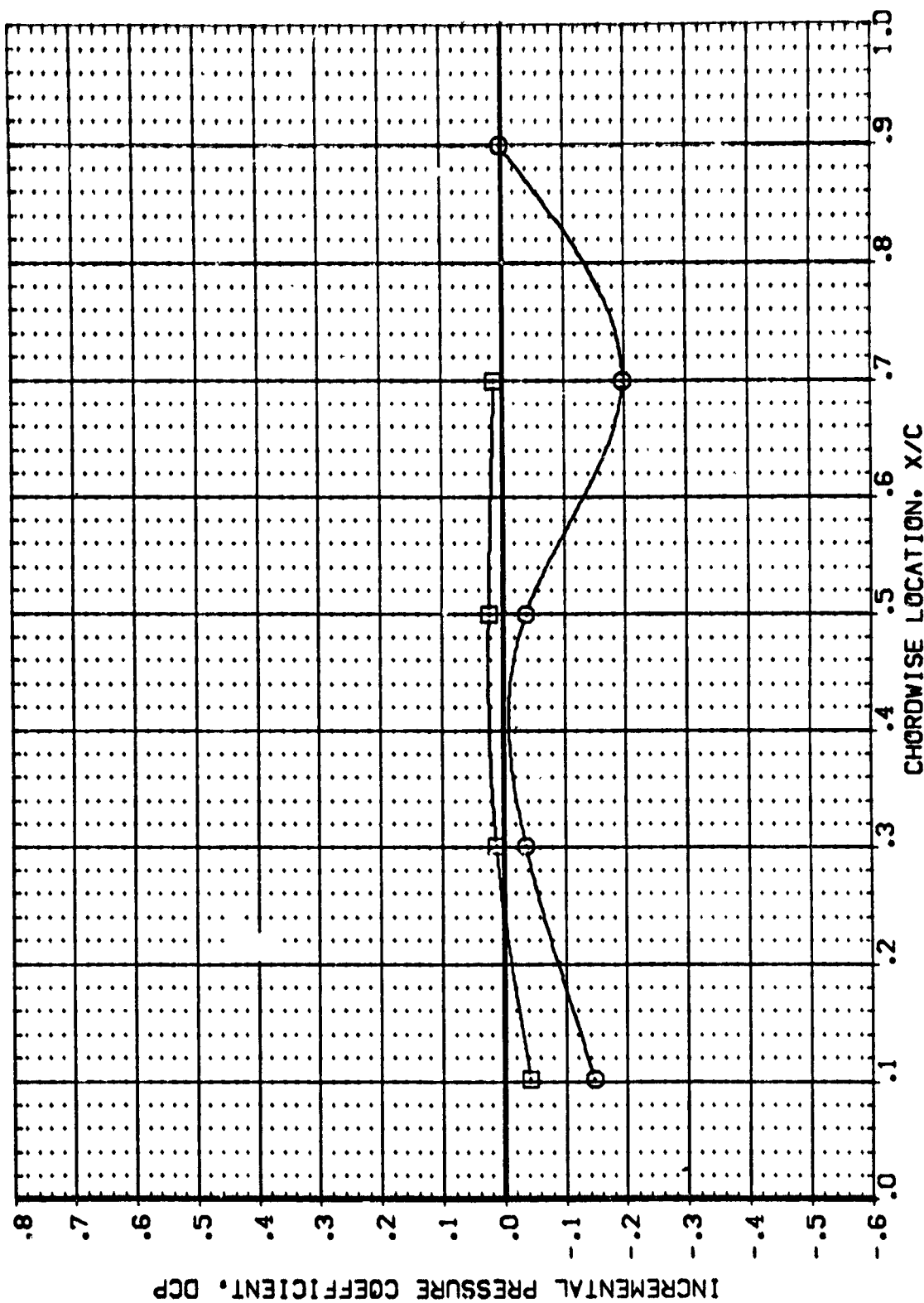


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = -3.920 2Y/B = .500

DATA SET SYMBOL: ☐ [AF410] ALPHA: .000
 CONFIGURATION DESCRIPTION: [A68 { C1F1G1J411 }] - [C1F1] UPPER WING
 [A68 { C1F1G1J411 }] - [C1F1] LOWER WING

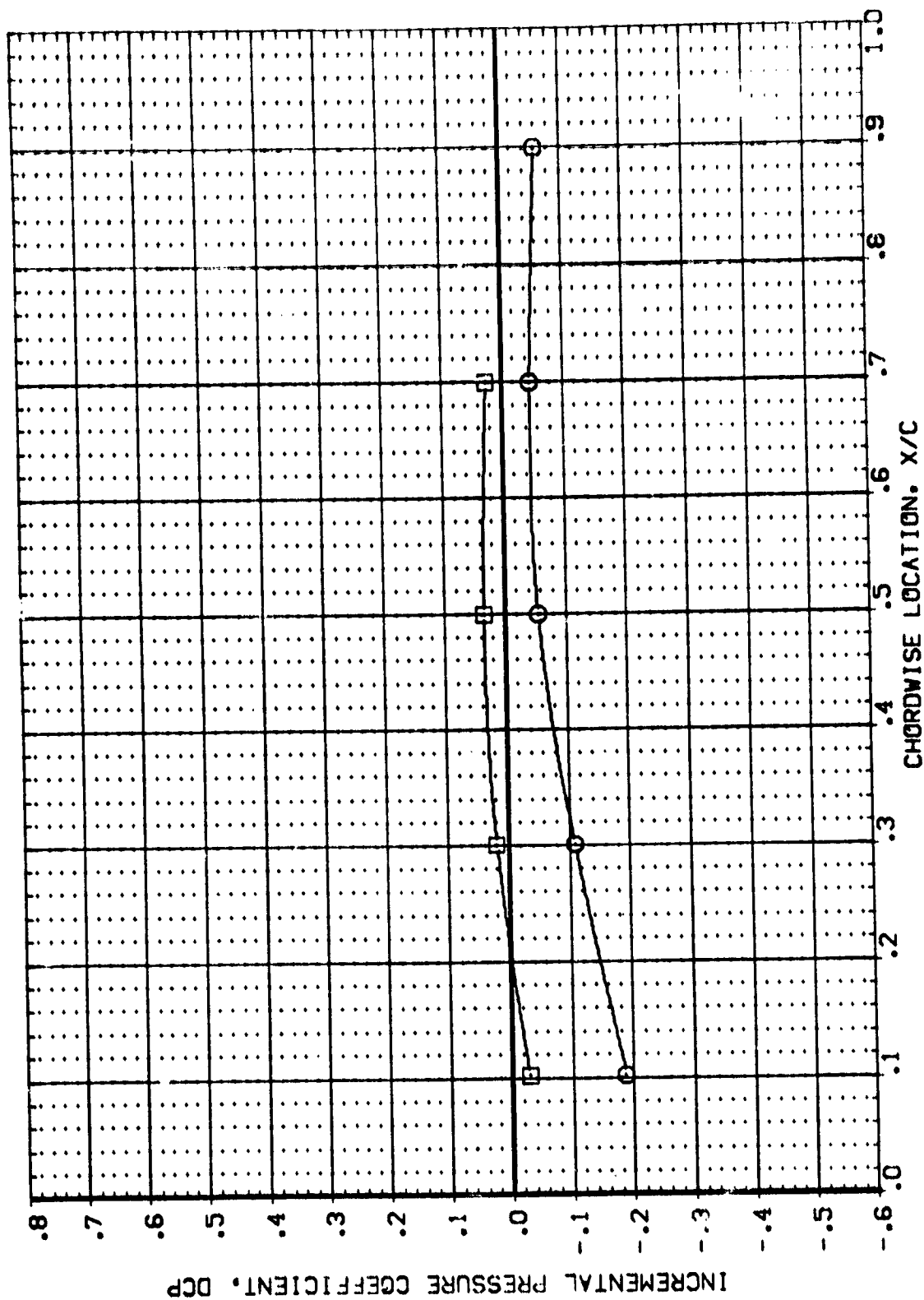


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = -1.970 2Y/B = .500



ALPHA
0.000
0.000

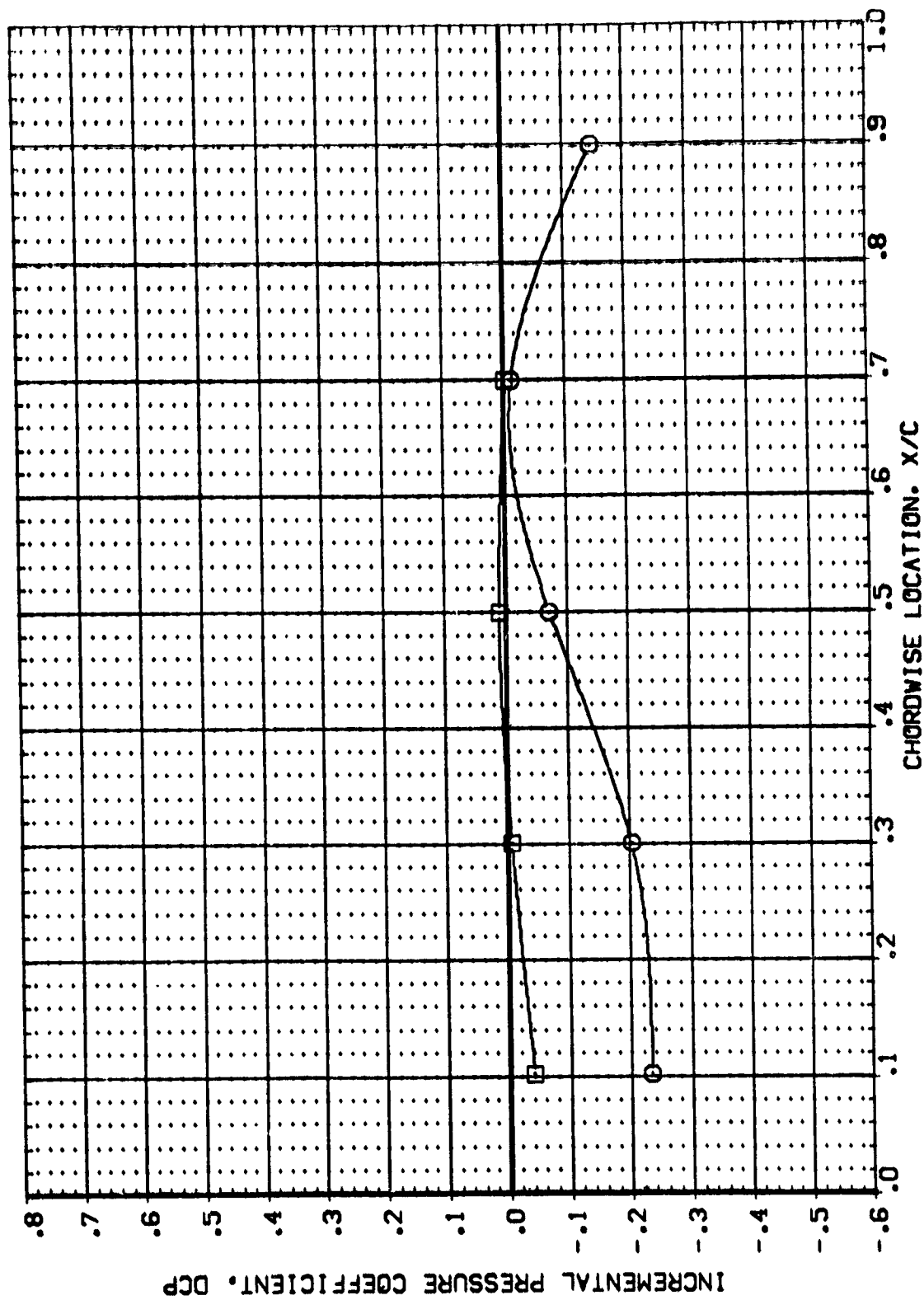


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = -.050 2Y/B = .500

DATA SET SYMBOL: [AF4U10] [AF4L10]
 CONFIGURATION DESCRIPTION: [A68 { C1F1M3{1}M4{1} } - [C1F1] UPPER WING
 [A68 { C1F1M3{1}M4{1} } - [C1F1] LOWER WING
 ALPHA: .000
 .000

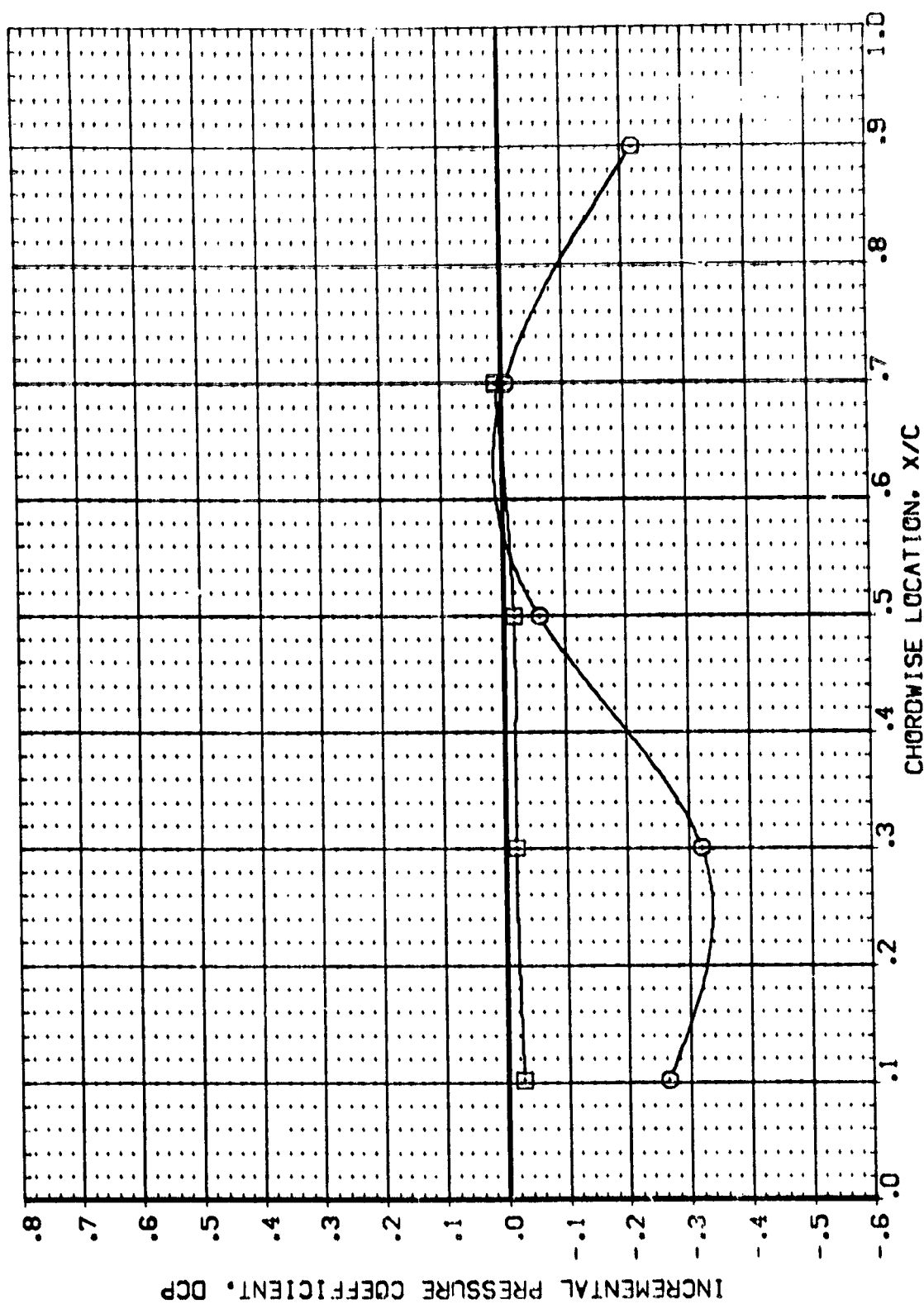


FIG 11: STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = 1.830 2Y/B = .500 PAGE 272



DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA

[AF4U10] [AG8 { C1F1M3(1)M4(1) } - { C1F1 } UPPER WING .000

[AF4L10] [AG8 { C1F1M3(1)M4(1) } - { C1F1 } LOWER WING .000

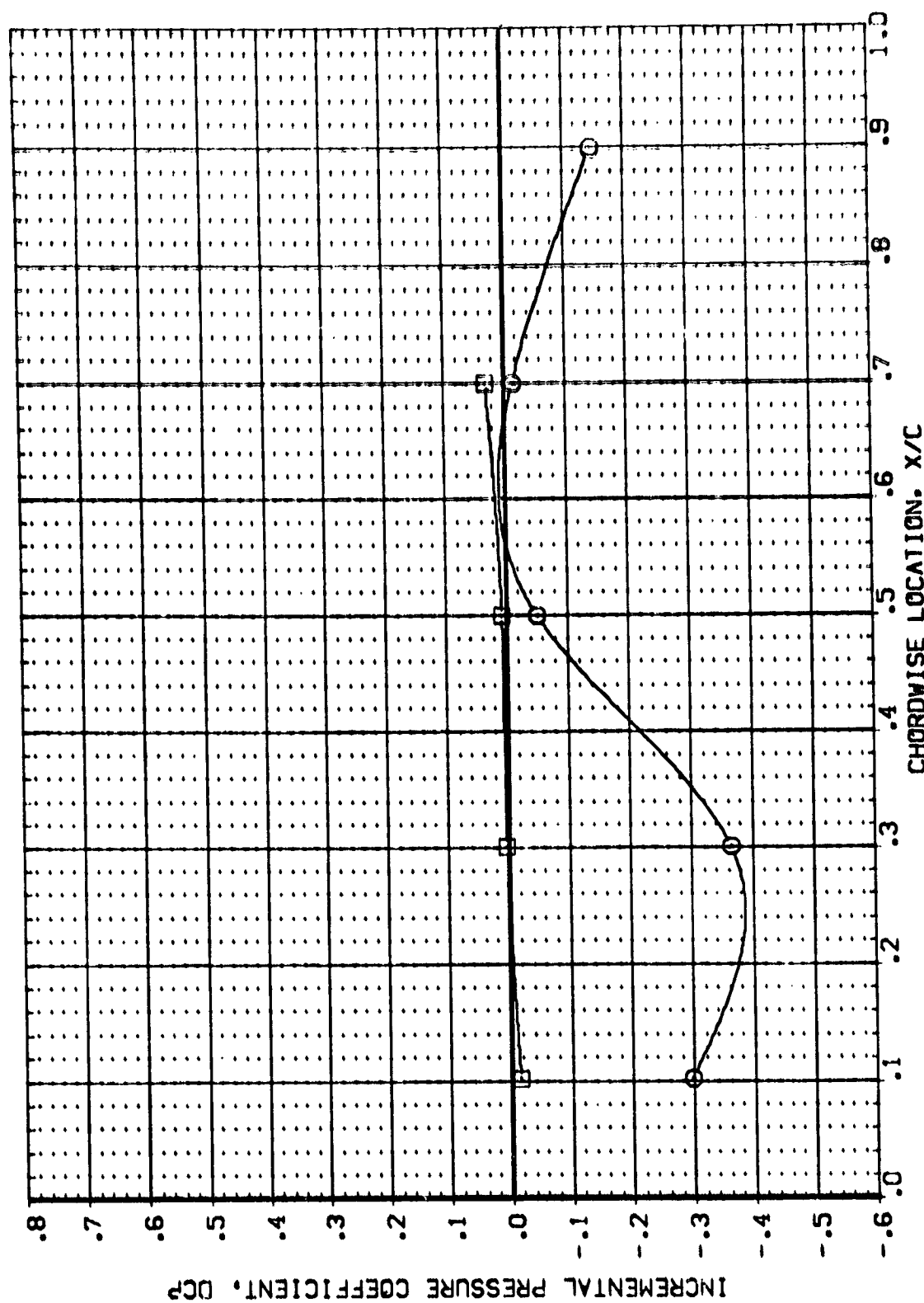


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

$MACH = .897$ $BETA = 3.840$ $2Y/B = .500$

DATA SET SYMBOL: [A68] [C1F1M3] [C1F1M4] [C1F1] [C1F1] UPPER WING
 [A68] [C1F1M3] [C1F1M4] [C1F1] [C1F1] LOWER WING

ALPHA
 .000
 .000

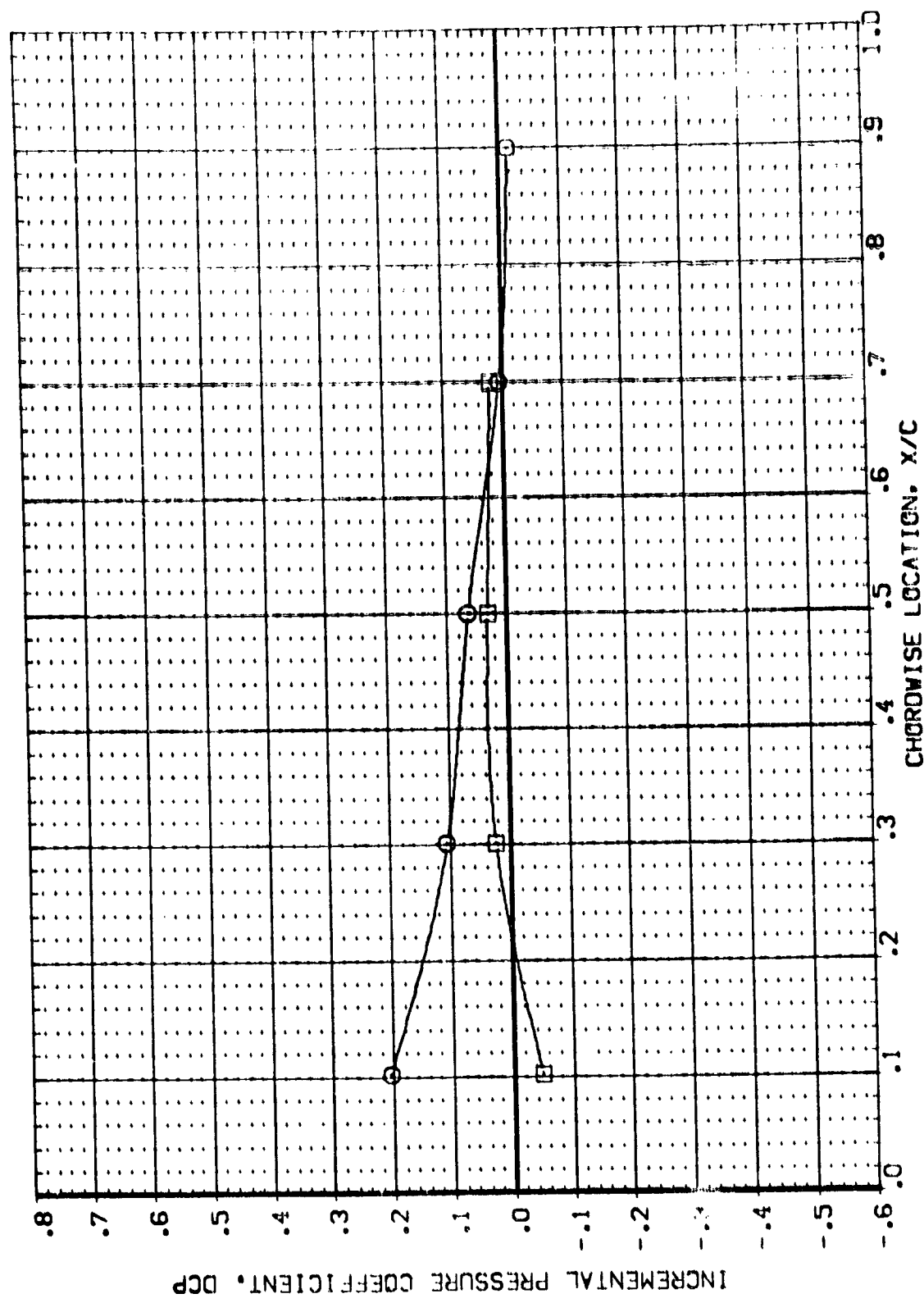


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

$\alpha_{AC} = 1.210$ $\beta = -3.930$ $2Y/B = .500$ PAGE 274

DATA SET SYMBOL CONFIGURATION DESCRIPTION α_{P-H}
 [AF4101] [A88 [C1F1M3C1M4(1)] - [C1F1] UPPER WING .000
 [AF4101] [A88 [C1F1M3C1M4(1)] - [C1F1] LOWER WING .000

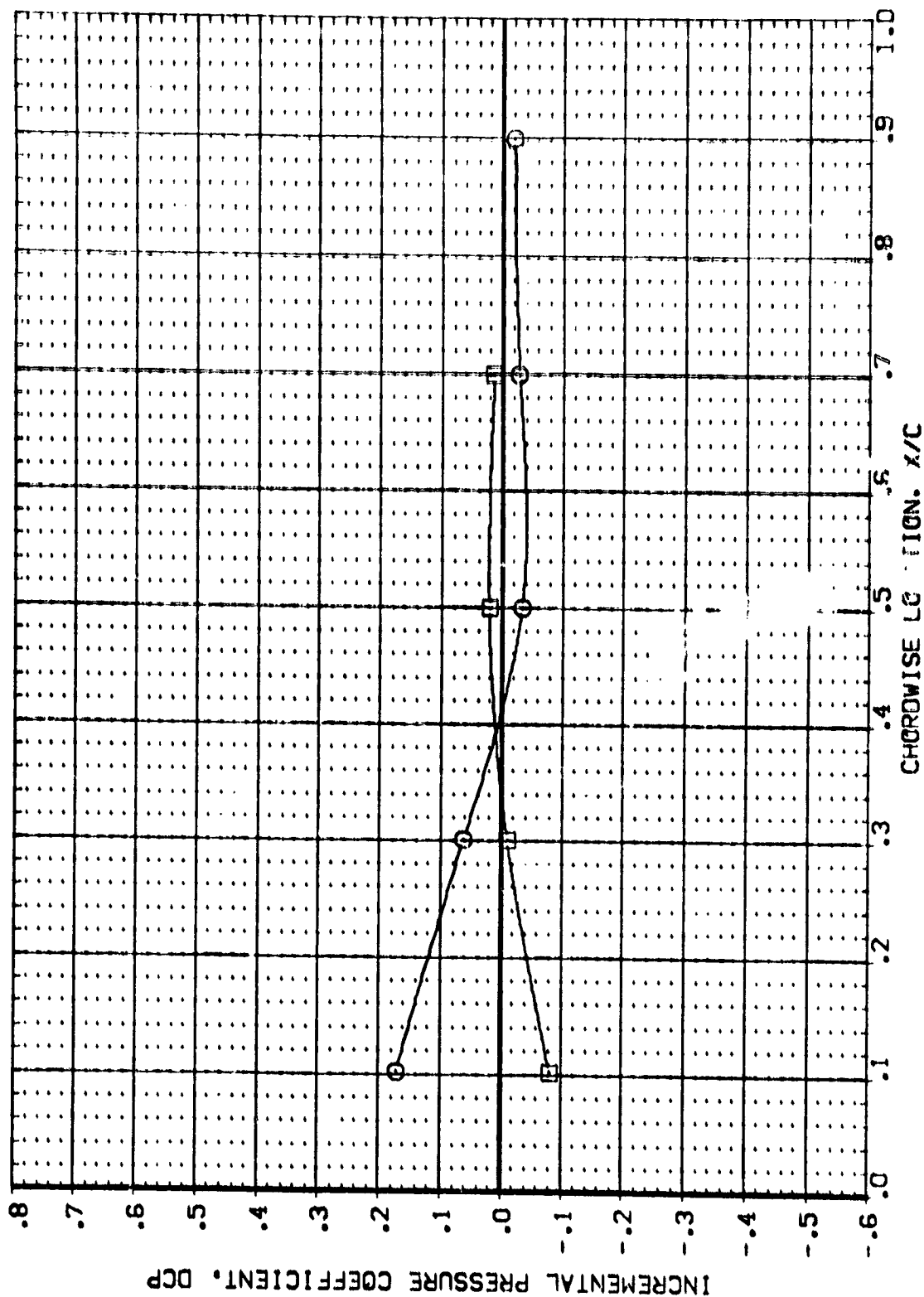


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

M_{AC} = 1.210 β = -2.070 $2Y/B$ = 0

DATA SET SYMBOL: [AF4UJ0] [AF4LJ0] ALPHA: .000 .000
 CONFIGURATION DESCRIPTION: [A68 [C1F1M3(1)M4(1)] - [C1F1] UPPER WING
 [A68 [C1F1M3(1)M4(1)] - [C1F1] LOWER WING]

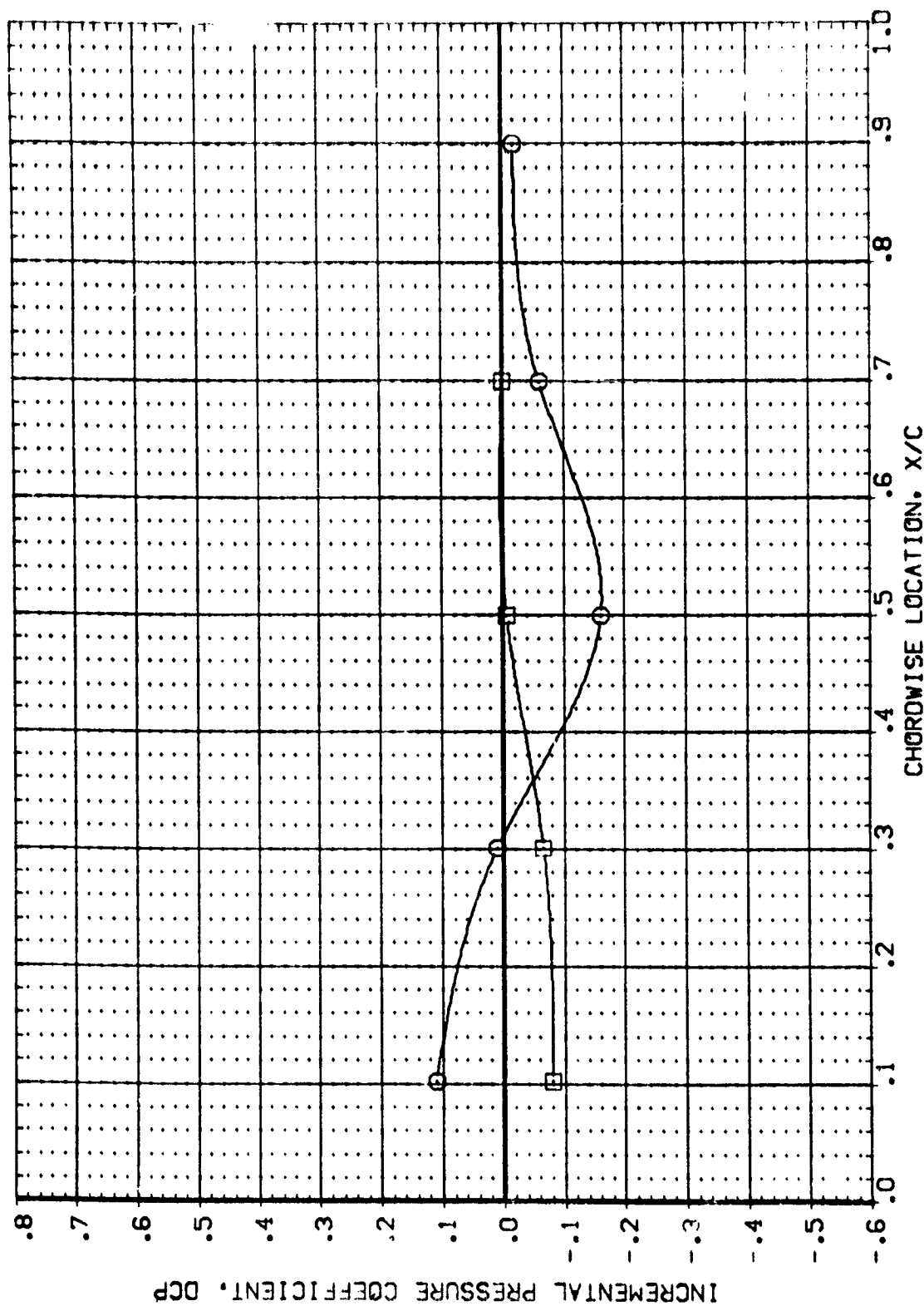


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

$M_{AC} = 0.210$ $BETA = -0.130$ $2Y/B = 0.500$ PAGE 275



DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA

[AF410] Q [A68 { C1F1M3(1)M4(1) } - [C1F1] UPPER WING .000

[AF410] Q [A68 { C1F1M3(1)M4(1) } - [C1F1] LOWER WING .000

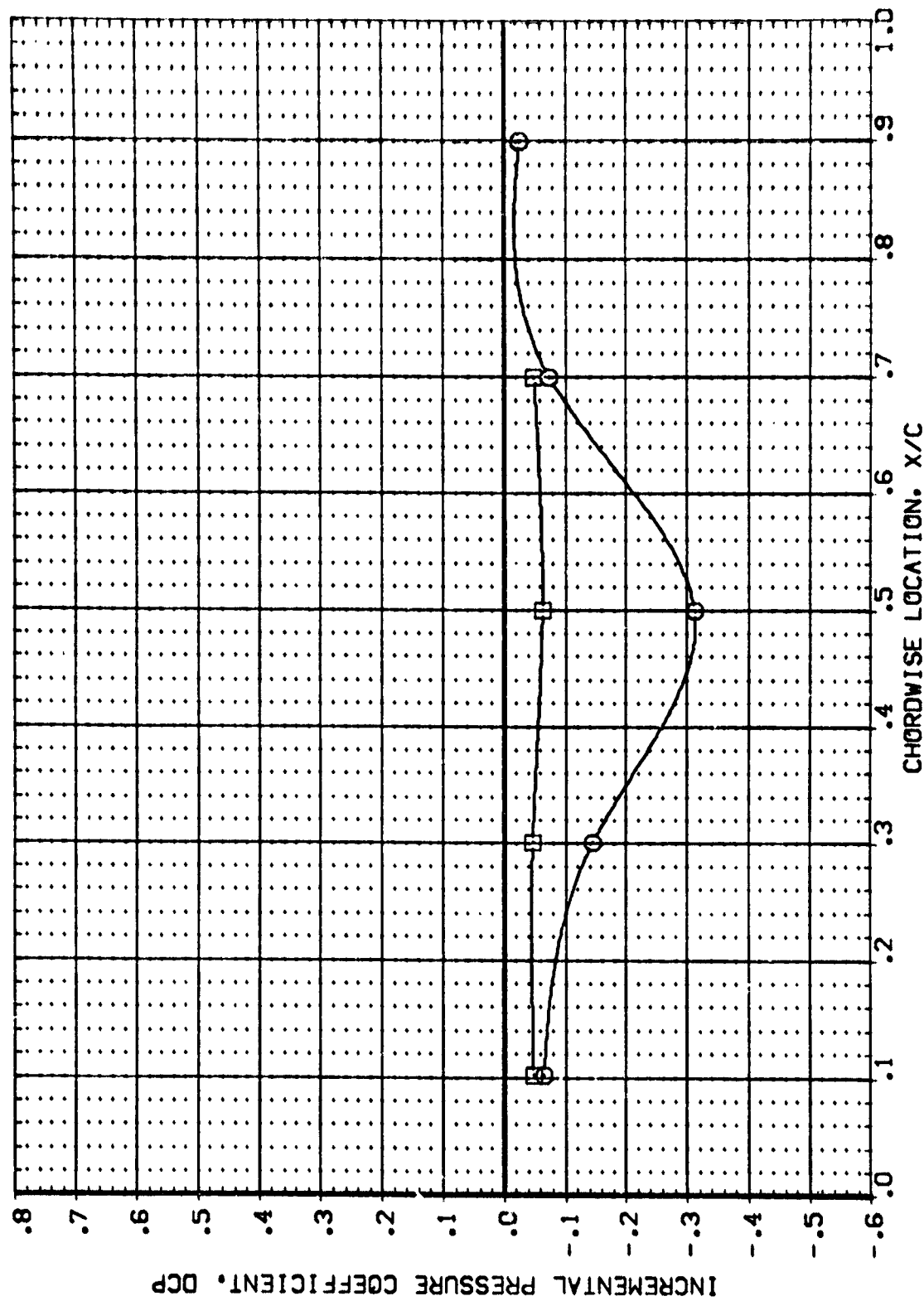


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = 1.210 BETA = 3.780 2Y/B = .500

DATA SET SYMBOL: Q
 CONFIGURATION DESCRIPTION: 1A68 { C1F1M3(1)M4(1) } - { C1F1 } UPPER WING
 1A68 { C1F1M3(1)M4(1) } - { C1F1 } LOWER WING

ALPHA
 .000
 .000

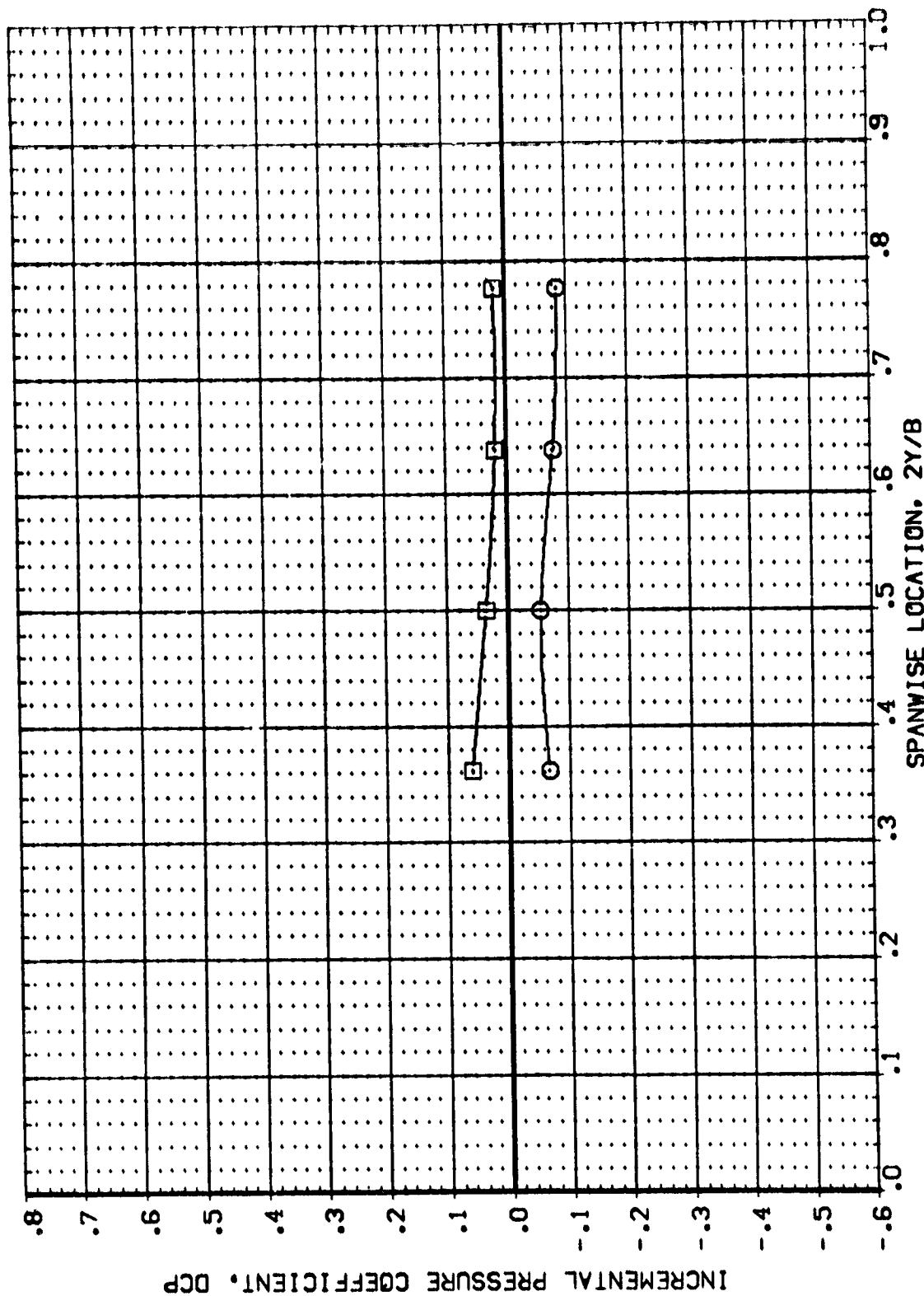


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

$MACH = .897$ $BETA = -1.970$ $X/C = .500$

DATA SET SYMBOL: \bar{Q} CONFIGURATION DESCRIPTION: [A68 [C1F1M3[1]M4[1]]] - [C1F1] UPPER WING
[A68 [C1F1M3[1]M4[1]]] - [C1F1] LOWER WING

ALPHA
.000
.000

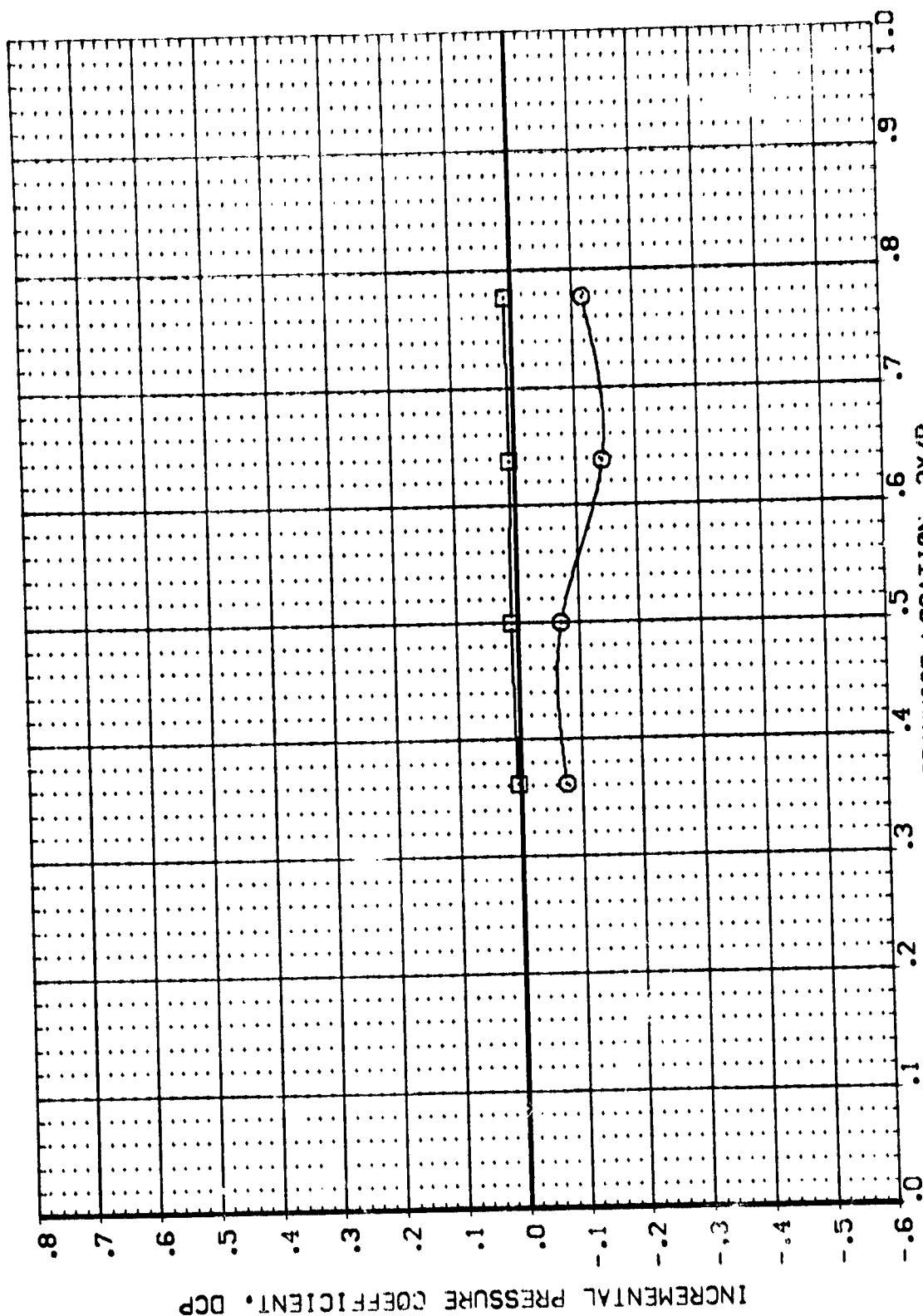


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = -.050 X/C = .500 PAGE 280

DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA
 [AF4U10] [AF68 { C1F1M3(1)M4(1) } - { C1F1 } UPPER WING .000
 [AF4L10] [AF68 { C1F1M3(1)M4(1) } - { C1F1 } LOWER WING .000

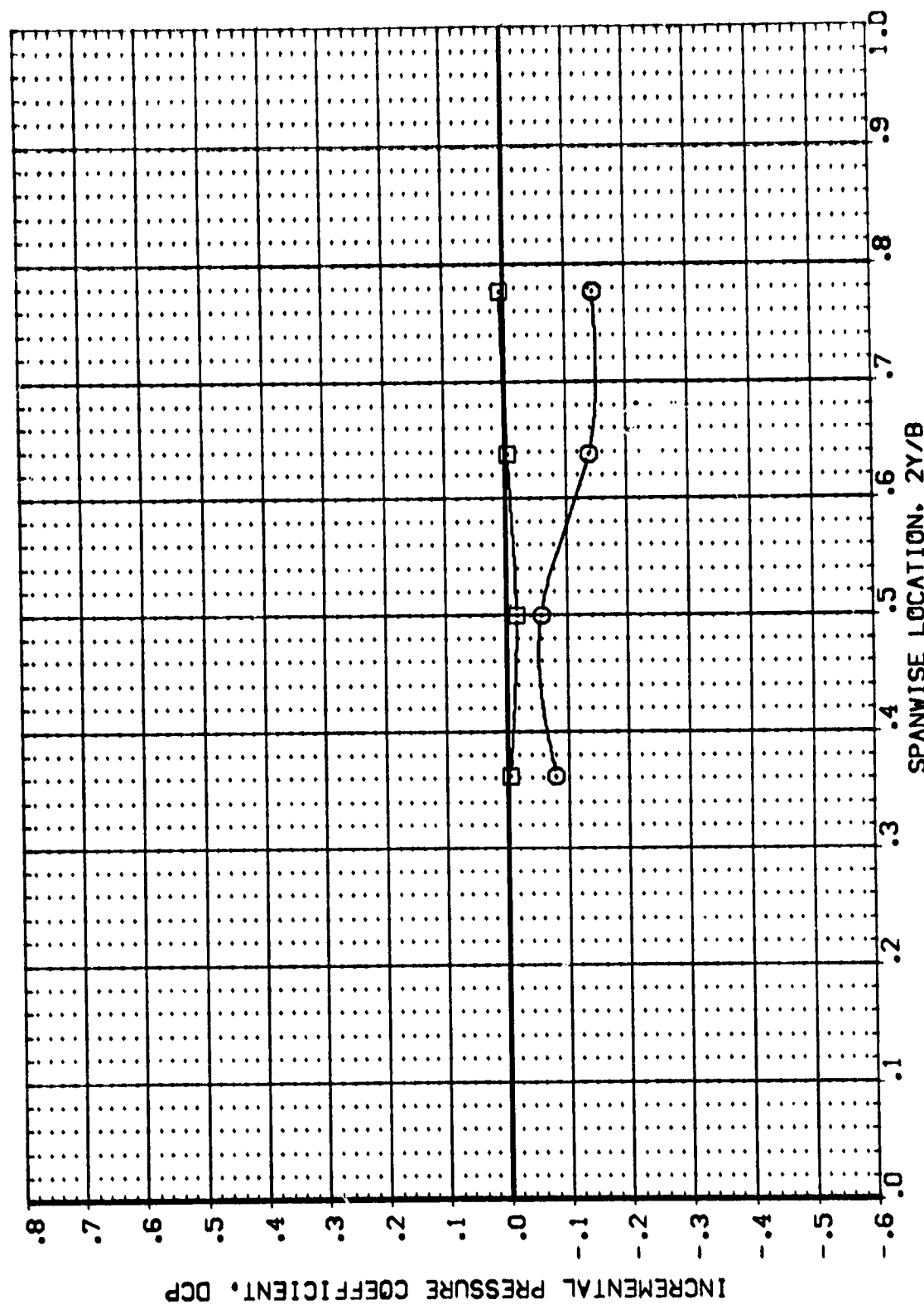


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = 1.830 X/C = .500 CASE 26.

DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA
 [AF4J10] [AF88 [C1F1M3(1)M4(1)] - [C1F1] UPPER WING .000
 [AF4J10] [AF88 [C1F1M3(1)M4(1)] - [C1F1] LOWER WING .000

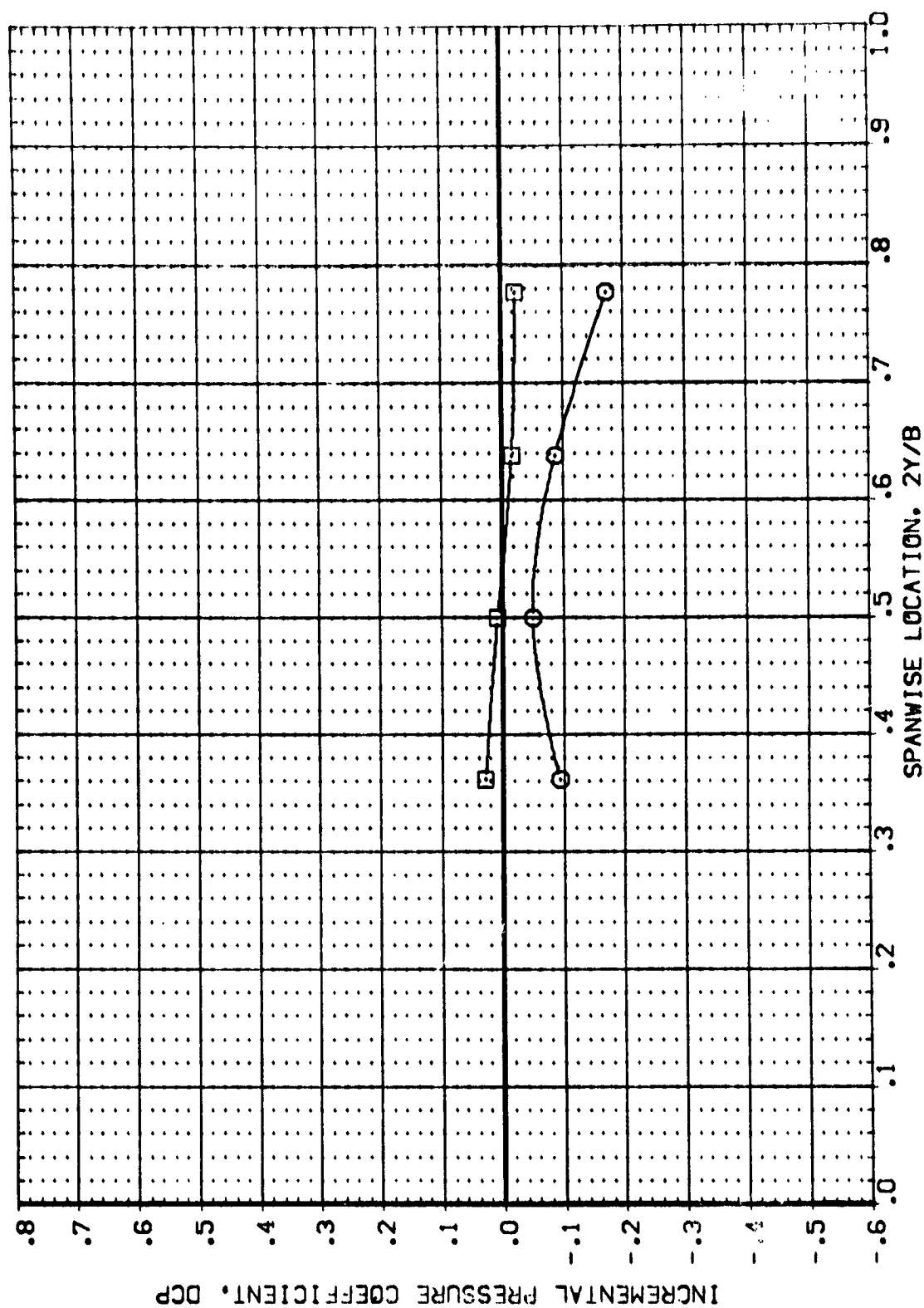


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH = .897 BETA = 3.840 X/C = .500 PAGE 282



| | | |
|---------------|---|--|
| DATA SET NAME | Q | IAB8 (C1FIM3IIM4(1)) - (C1F1) UPPER WING |
| | [| IAB8 (C1FIM3IIM4(1)) - (C1F1) LOWER WING |

ALPHA

88

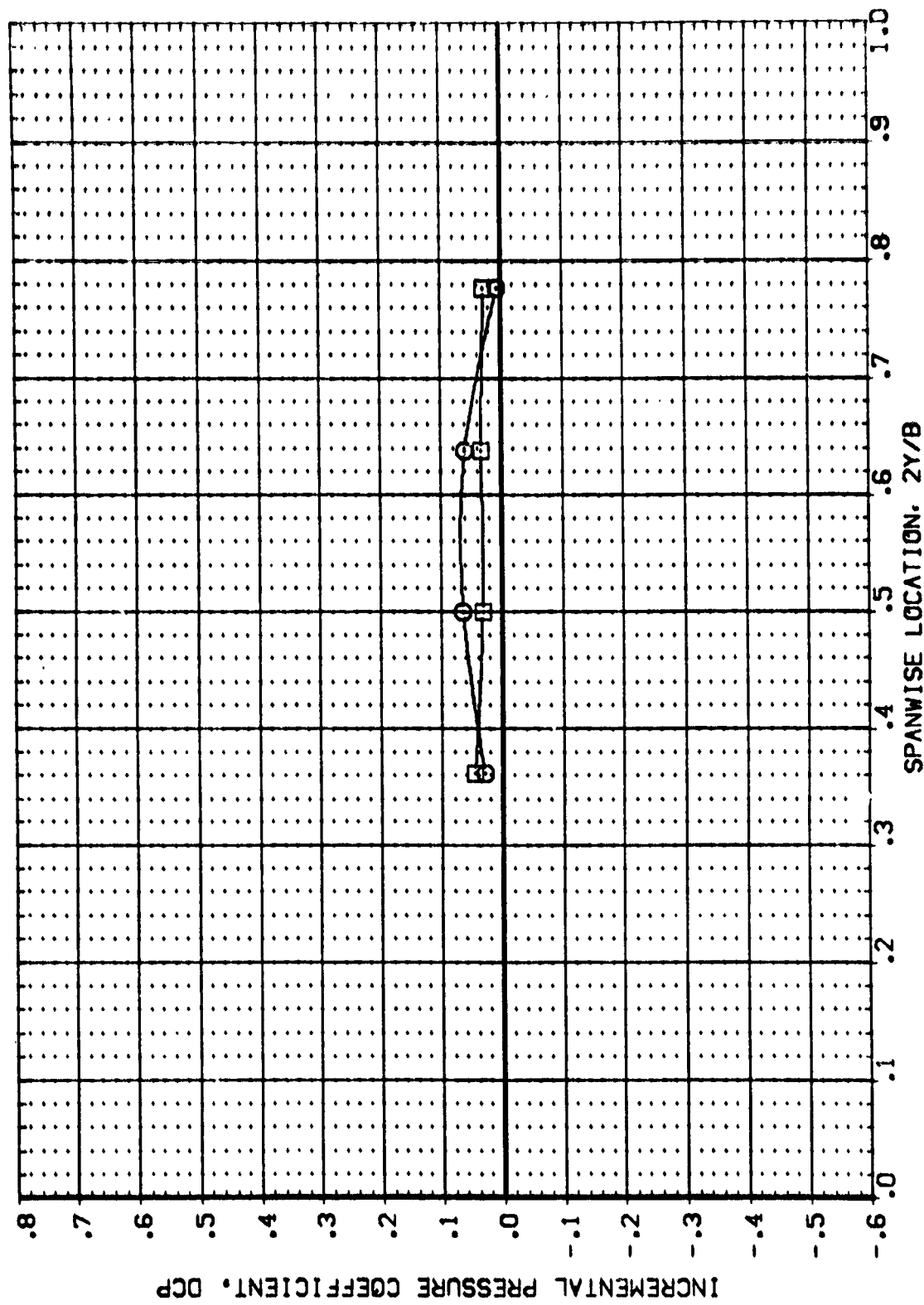


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

$$\text{MAC}_{\text{F}} = 1.210 \quad \text{BETA} = -3.930 \quad \text{X/C} = .500$$

2953 283

DATA SET SYMBOL: **Q** CONFIGURATION DESCRIPTION: ALPHA .000
 [A6410] [A68 [C1F1M3(1)M4(1)] - [C1F1] UPPER WING .000
 [A6410] [A68 [C1F1M3(1)M4(1)] - [C1F1] LOWER WING

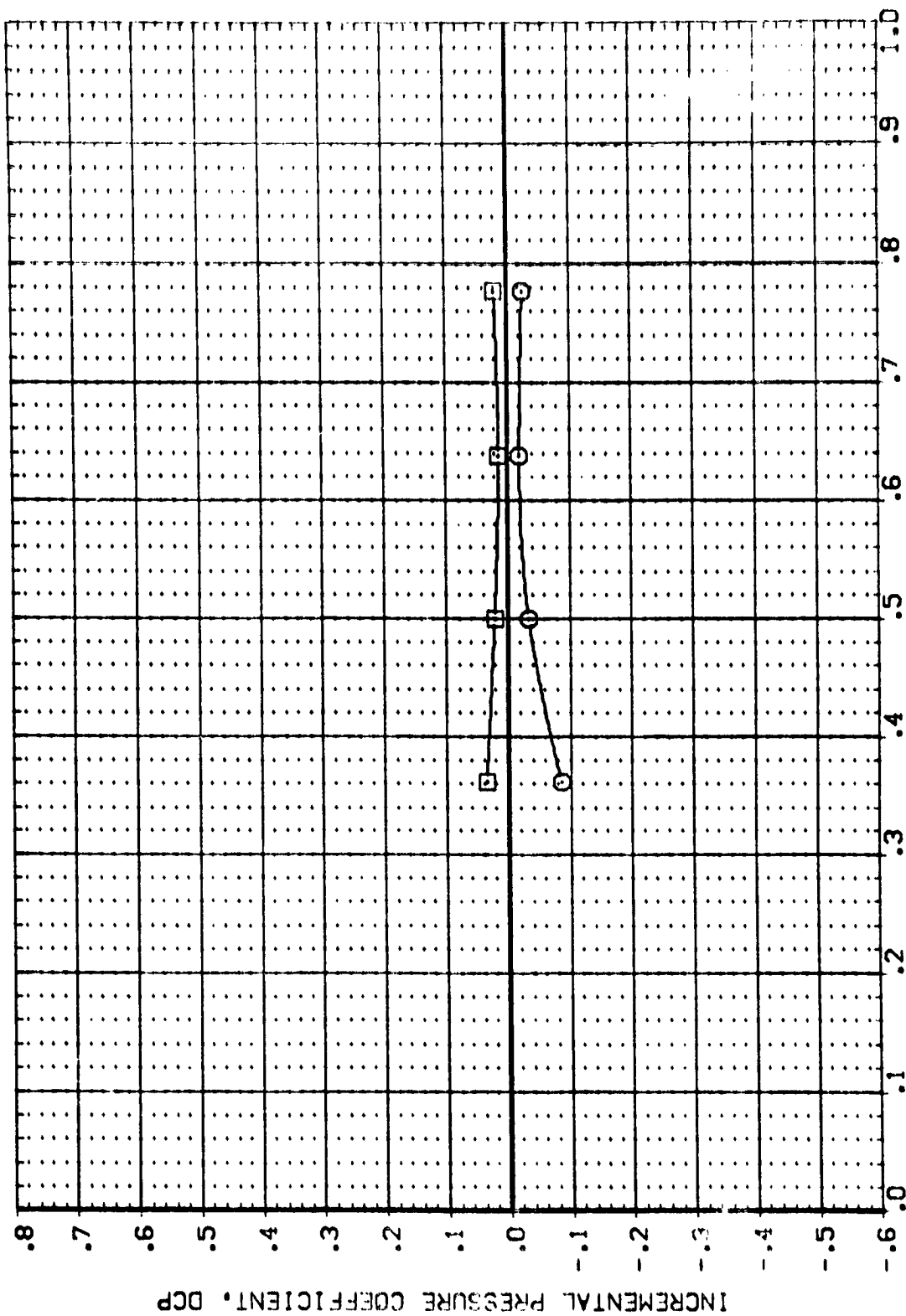


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

$\alpha_{ACH} = .210$ $\beta_{ETA} = -2.070$ $X/C = .500$



DATA SET SYMBOL: 9
 [AF4J10] [AF4L10]
 CONFIGURATION DESCRIPTION: 1468 [C1F1M3(1)M4(1)] - [C1F1] UPPER WING
 1468 [C1F1M3(1)M4(1)] - [C1F1] LOWER WING

ALPHA
 .000
 .000

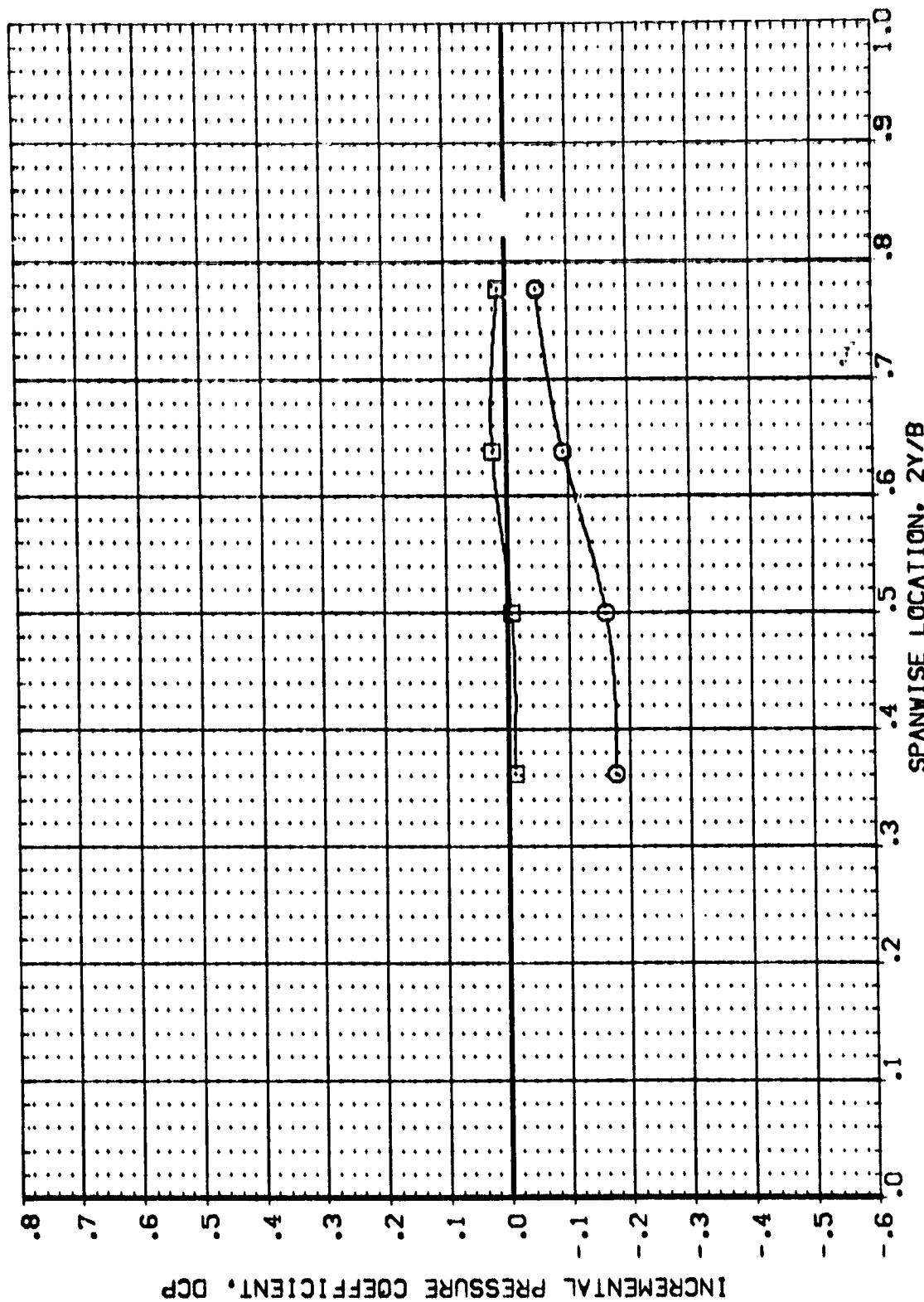


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

MACH 1.210 BETA = -0.130 X/C = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA
 [AF4U10] [A68 [C1F1M3(1)M4(1)] - [C1F1] UPPER WING .000
 [AF4L10] [A68 [C1F1M3(1)M4(1)] - [C1F1] LOWER WING .000

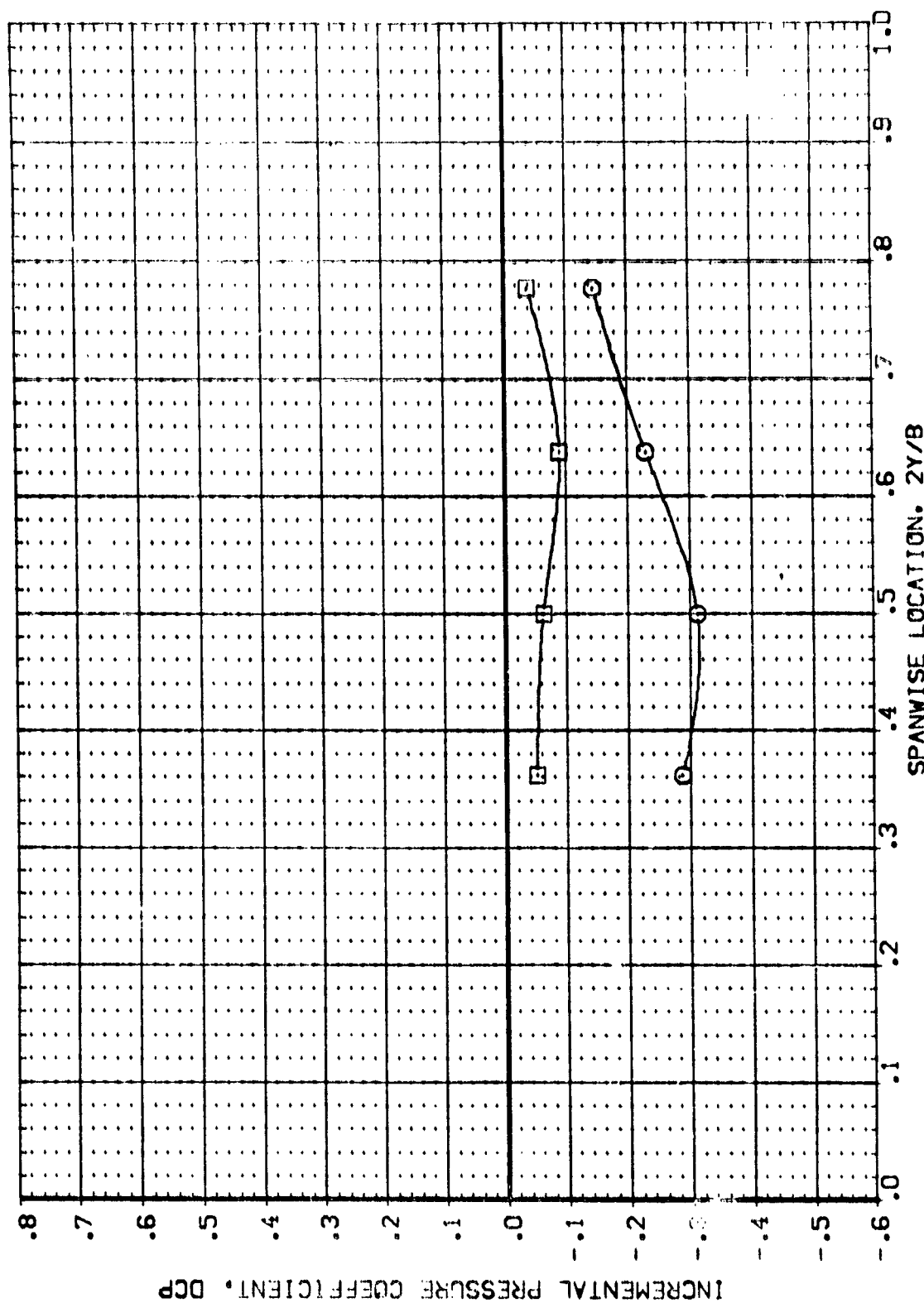


FIG 11 STRUT DIFFERENTIAL WING PRESSURE COEFFICIENTS - BETA SWEEPS

$V_{ACH} = 1.210$ $BETA = 3.780$ $X/C = .500$



IA68 C1 F1 BASE REGIONS (RF4301)

| | | | | | |
|--------|------|-------|-------|------|-------------------|
| SYMBOL | MACH | X/L | ALPHA | BETA | PARAMETRIC VALUES |
| ○ | .863 | 1.000 | .000 | | |

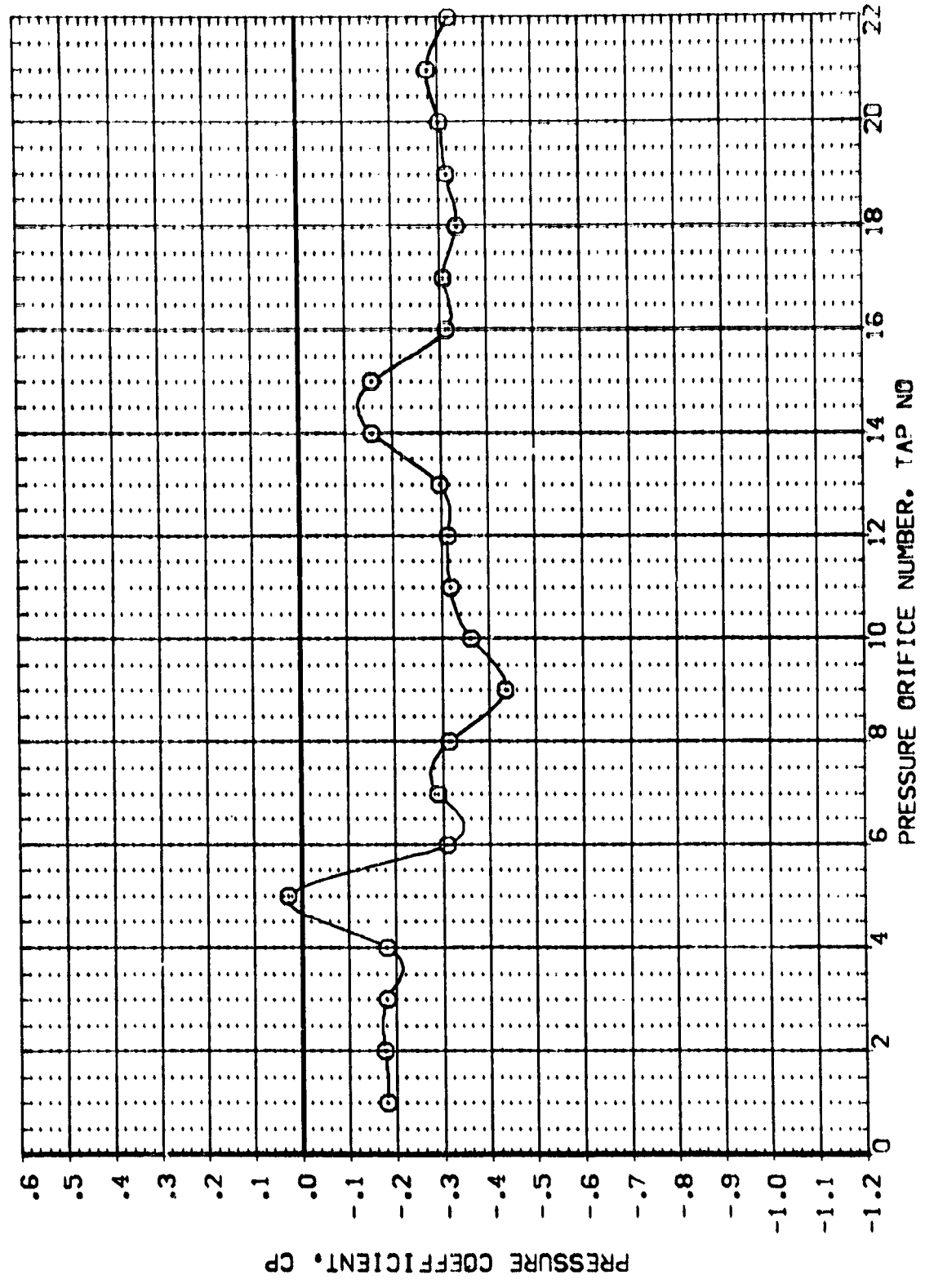


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

1A68 C1 F1 BASE REGIONS (9943000)
 SYMBOL MACH X/L ALPHA BETA BETA VALUES
 ○ .896 1.000 -4.000 .000
 ◇ 1.211
 ◇ 1.503

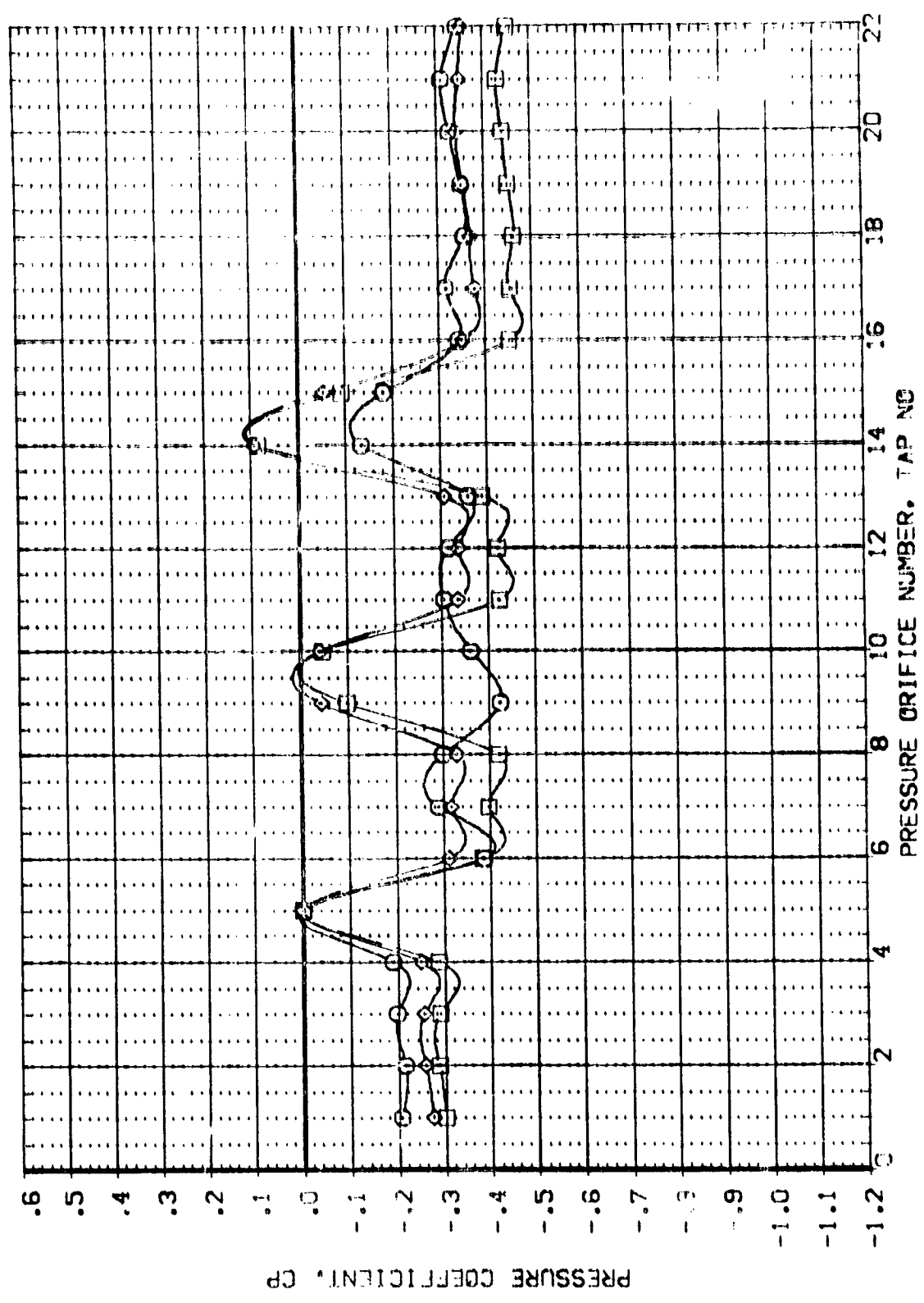


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS



IA68 C1 F1

BASE REGIONS

CP=43000

SYMBOL MACH X/L ALPHA

PARAMETRIC VALUES

BETA

1.991

1.000

-3.770

.000

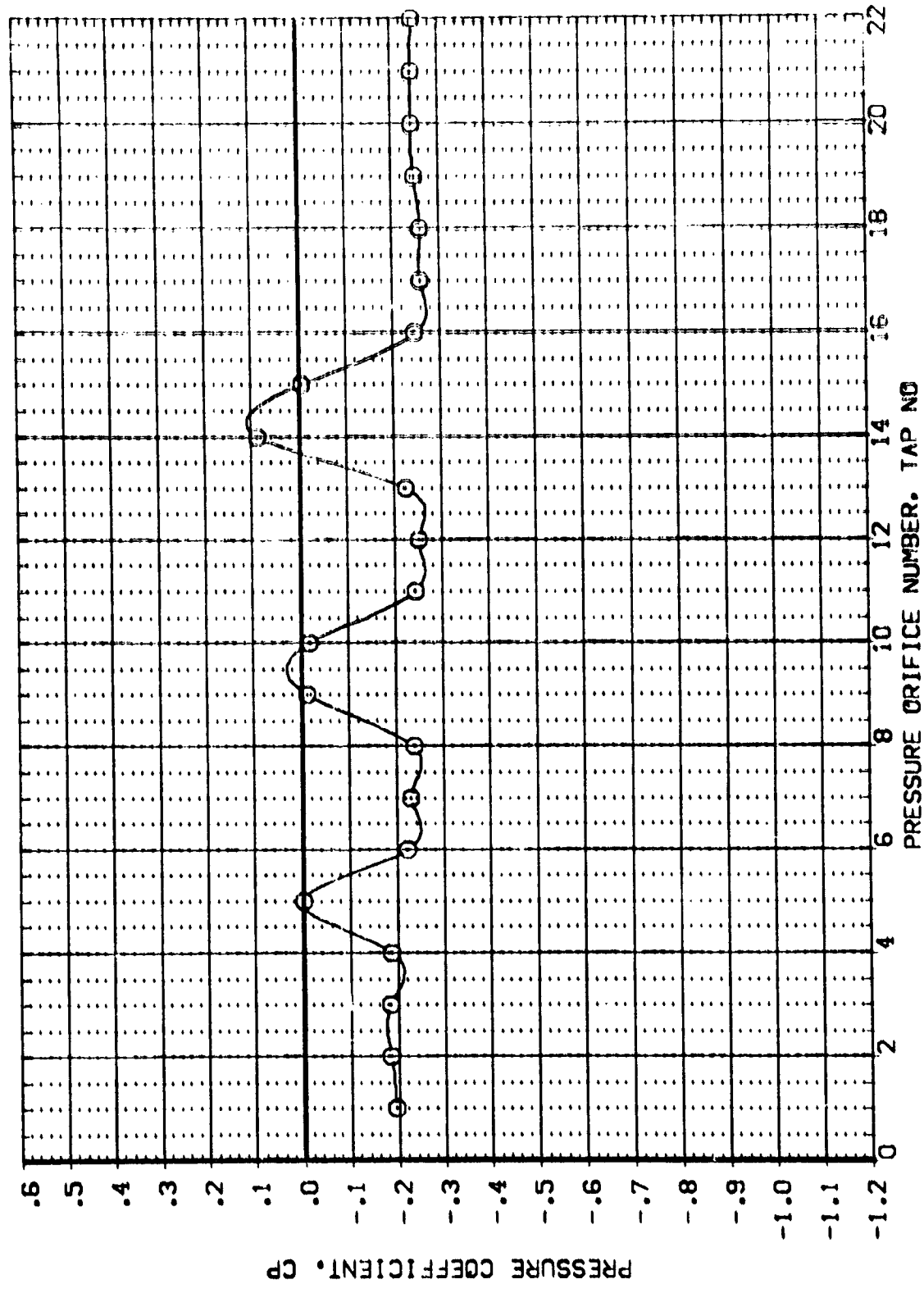


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

1A68 C: F1
 BASE REGIONS (RF4802)
 MACH .896 X/L 1.000 ALPHA -2.000
 1.211
 1.991
 SYMBOL \circ \square \diamond

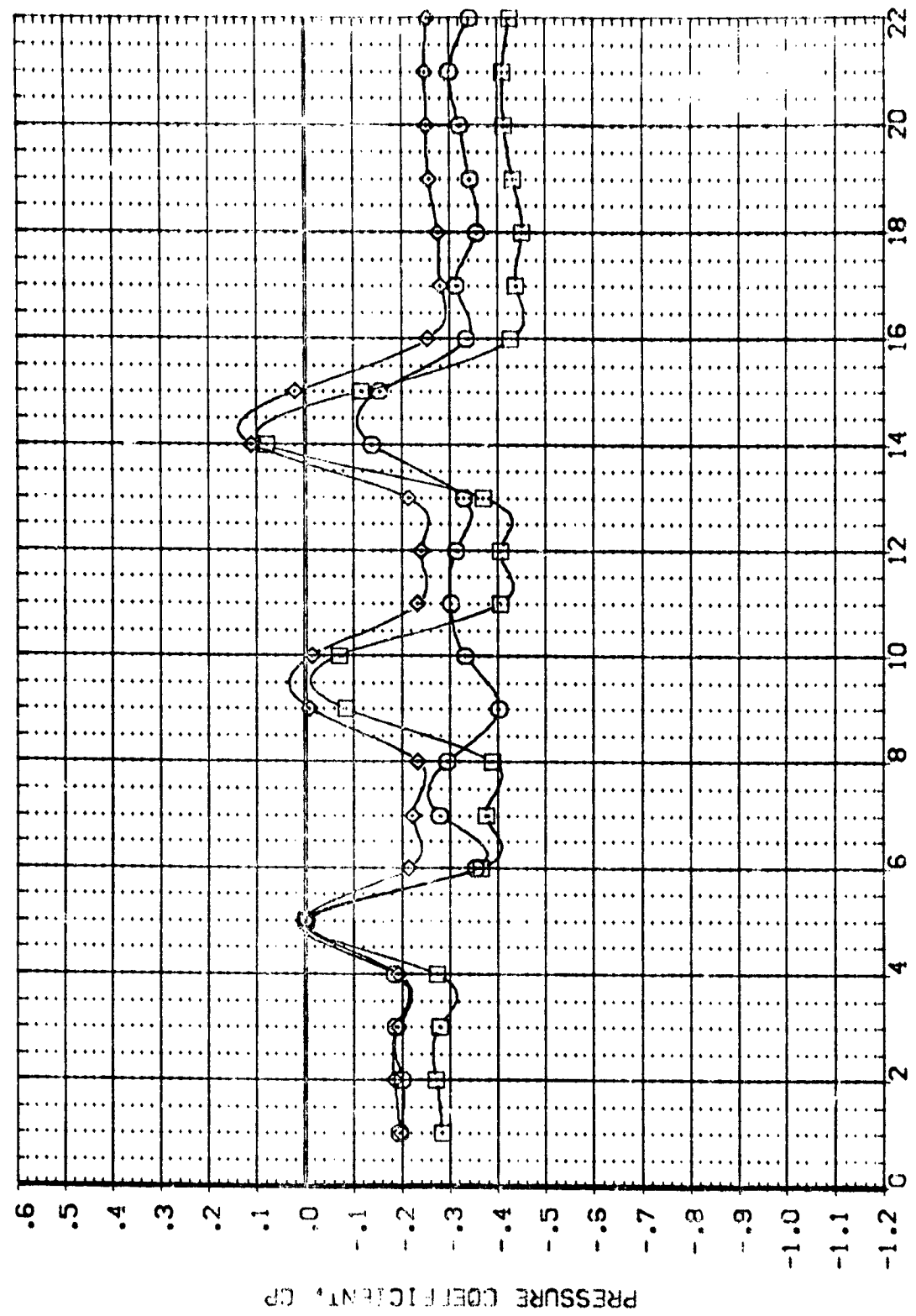


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

A68 C: F:

| SYMBOL | MACH | X/L | ALPHA |
|--------|-------|-------|--------|
| ○ | 1.503 | 1.000 | -1.690 |

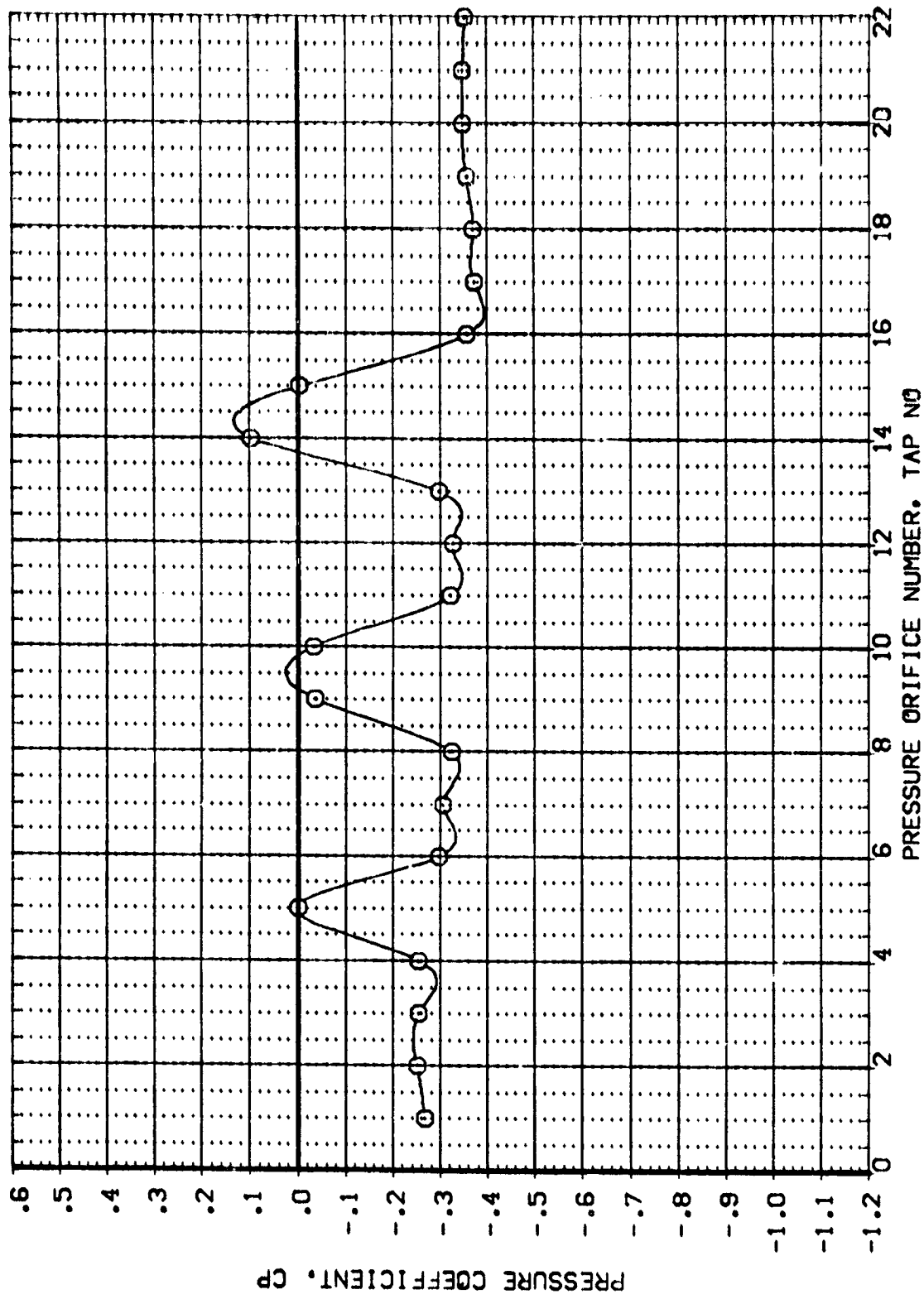


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

1468 C: F: BASE REGIONS (REF 3000)
 SYMBO. MACH X/L ALPHA BETA .000
 .896 1.000 -.050
 1.991

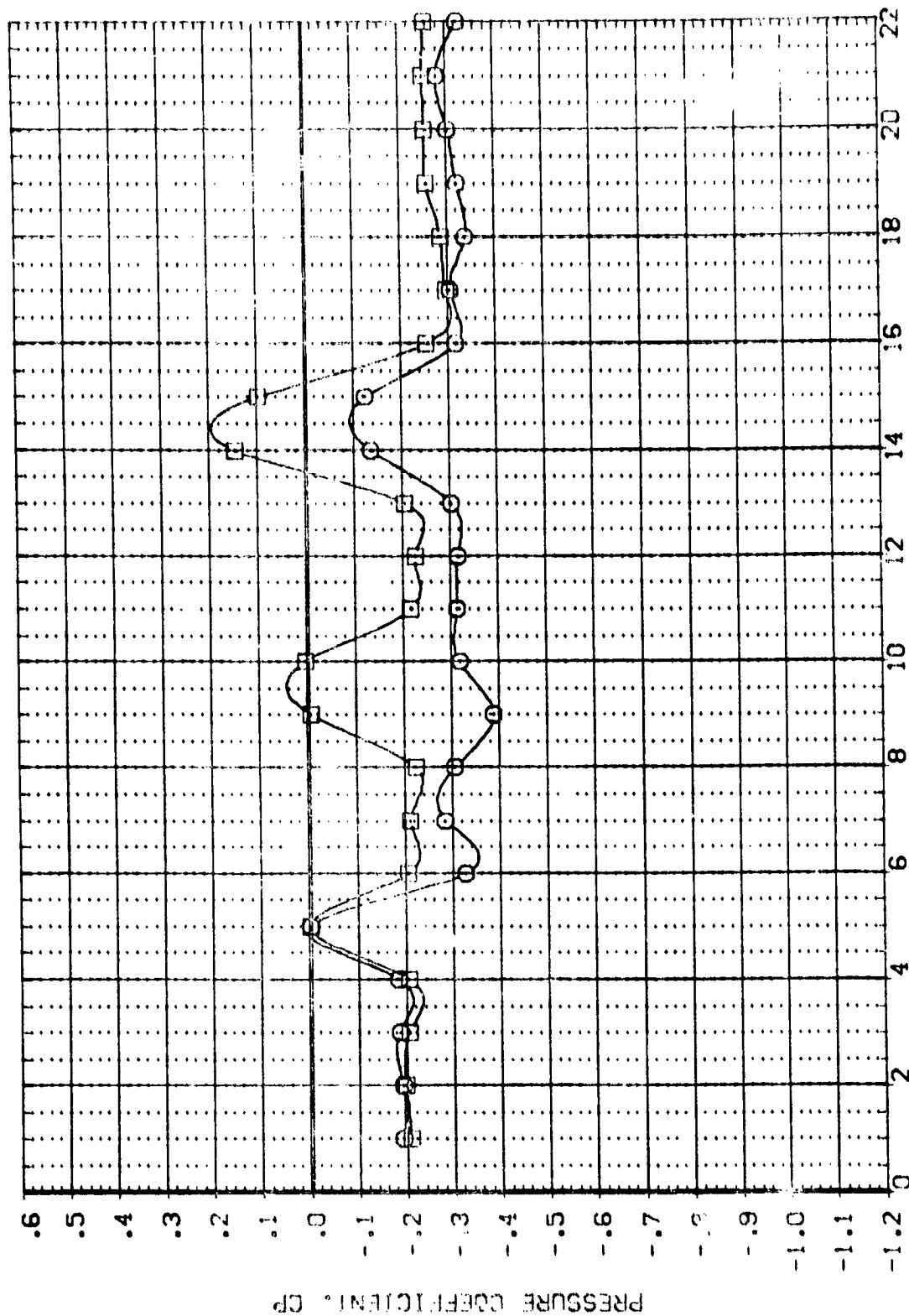


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NC STRUTS

IAG8 C: F1
 BASE REGIONS (R=4302)
 PARAMETRIC VALUES
 MACH 1.211 X/L 1.000 ALPHA .150
 1.503
 BETA .000

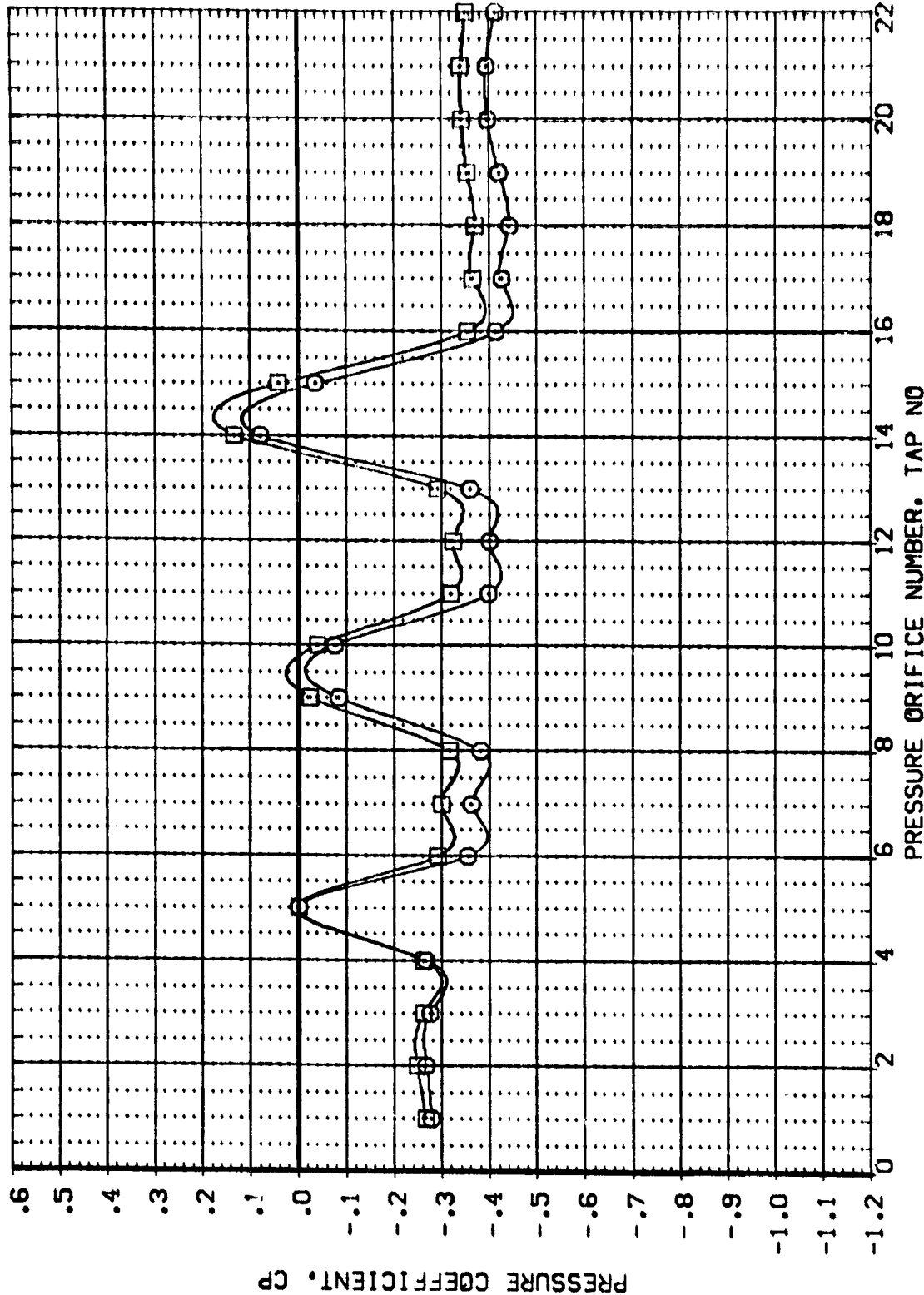


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

1A68 C1 F: BASE REGIONS (RF43020) PARAMETRIC VALUES
 SYMBO MACH X/L ALPHA BETA
 0 .896 1.000 1.800 .000

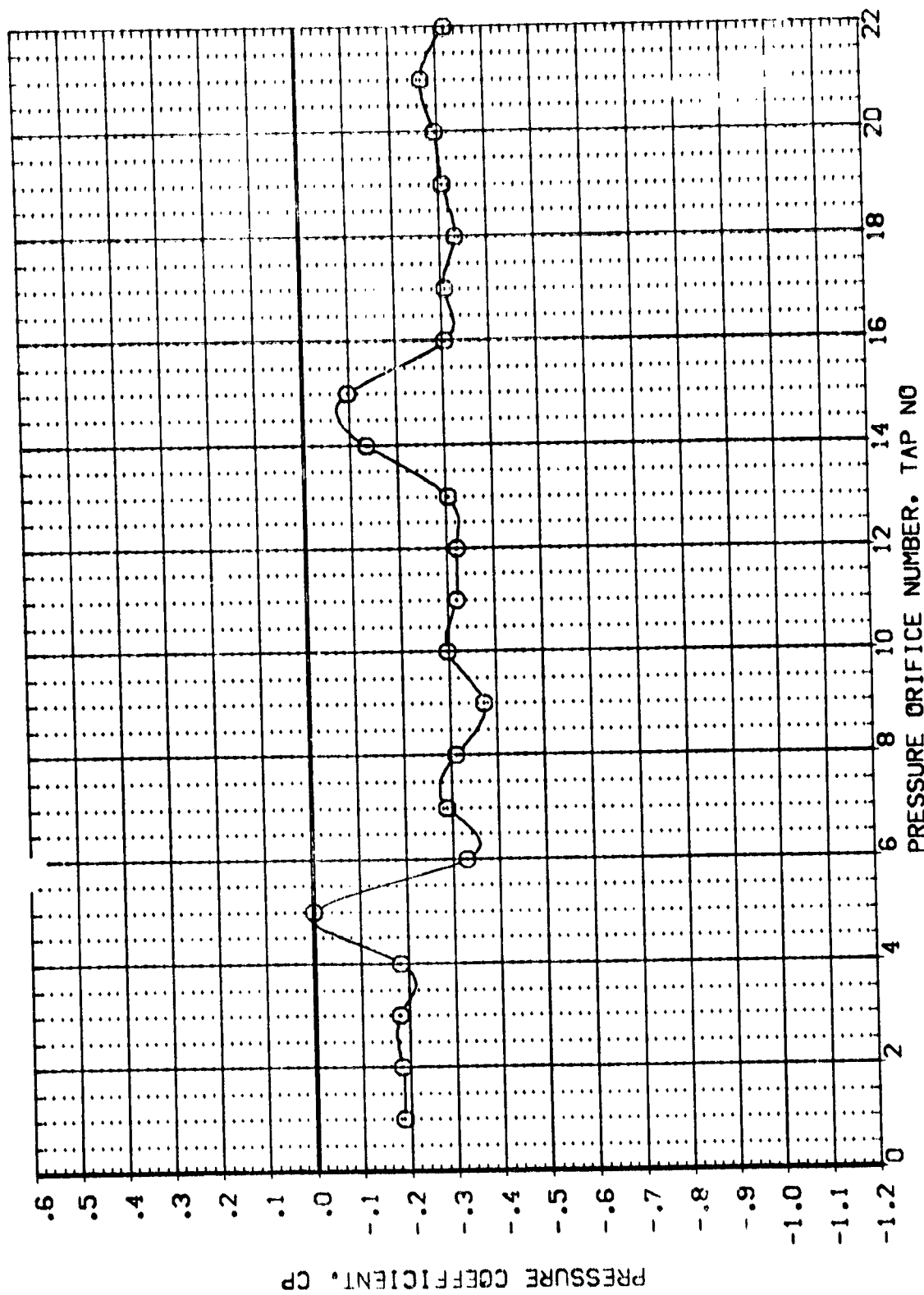


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

| | | | | | |
|------------|-------|--------------|-------|----------|-------------------|
| IA68 C1 F1 | | BASE REGIONS | | (R=4802) | |
| SYMBOL | MACH | X/L | ALPHA | BETA | PARAMETRIC VALUES |
| | 1.211 | 1.000 | 2.120 | | .000 |
| | 1.503 | | | | |
| | 1.991 | | | | |

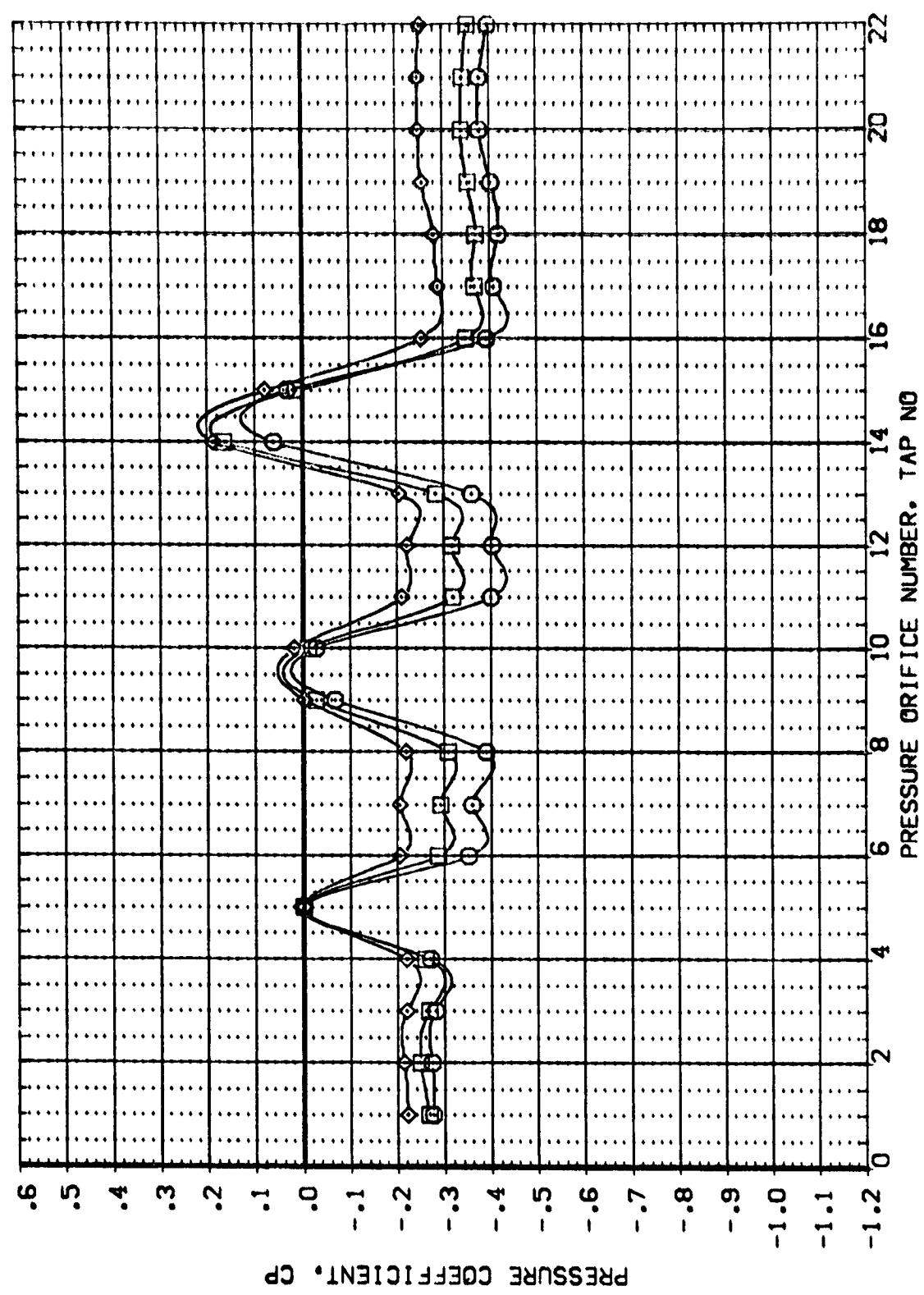


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

1A68 C1 F1
 BASE REGIONS
 CRF43023
 SYMBO. MACH X/L ALPHA
 O .896 1.000 3.670
 PARAMETRIC VALUES
 BETA .000

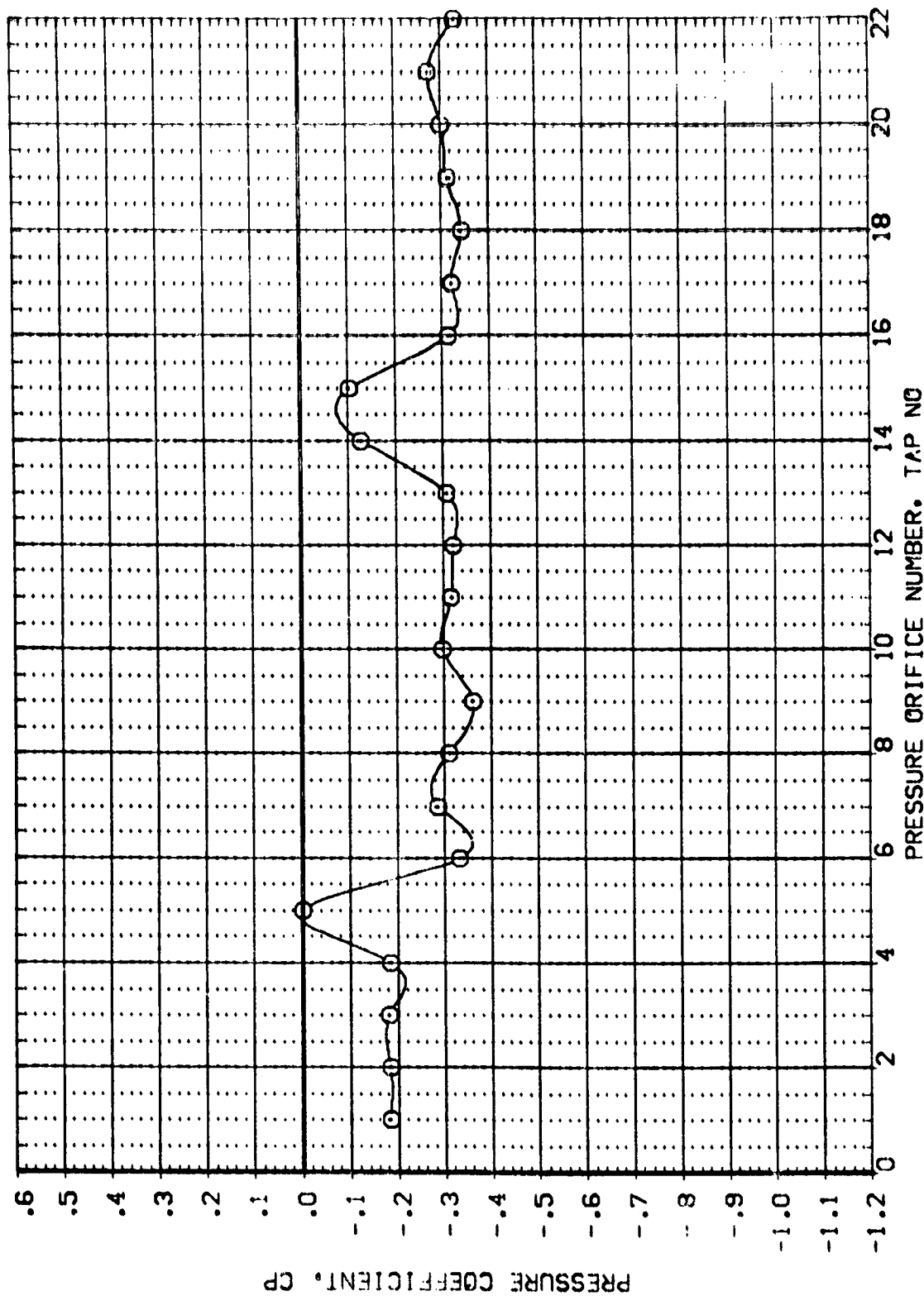


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS



IA68 C1 F1

BASE REGIONS

[R4302]

SYMBOL

MACH
1.211
1.503
1.991

X/L
1.000
4.030

PARAMETRIC VALUES
BETA
.000

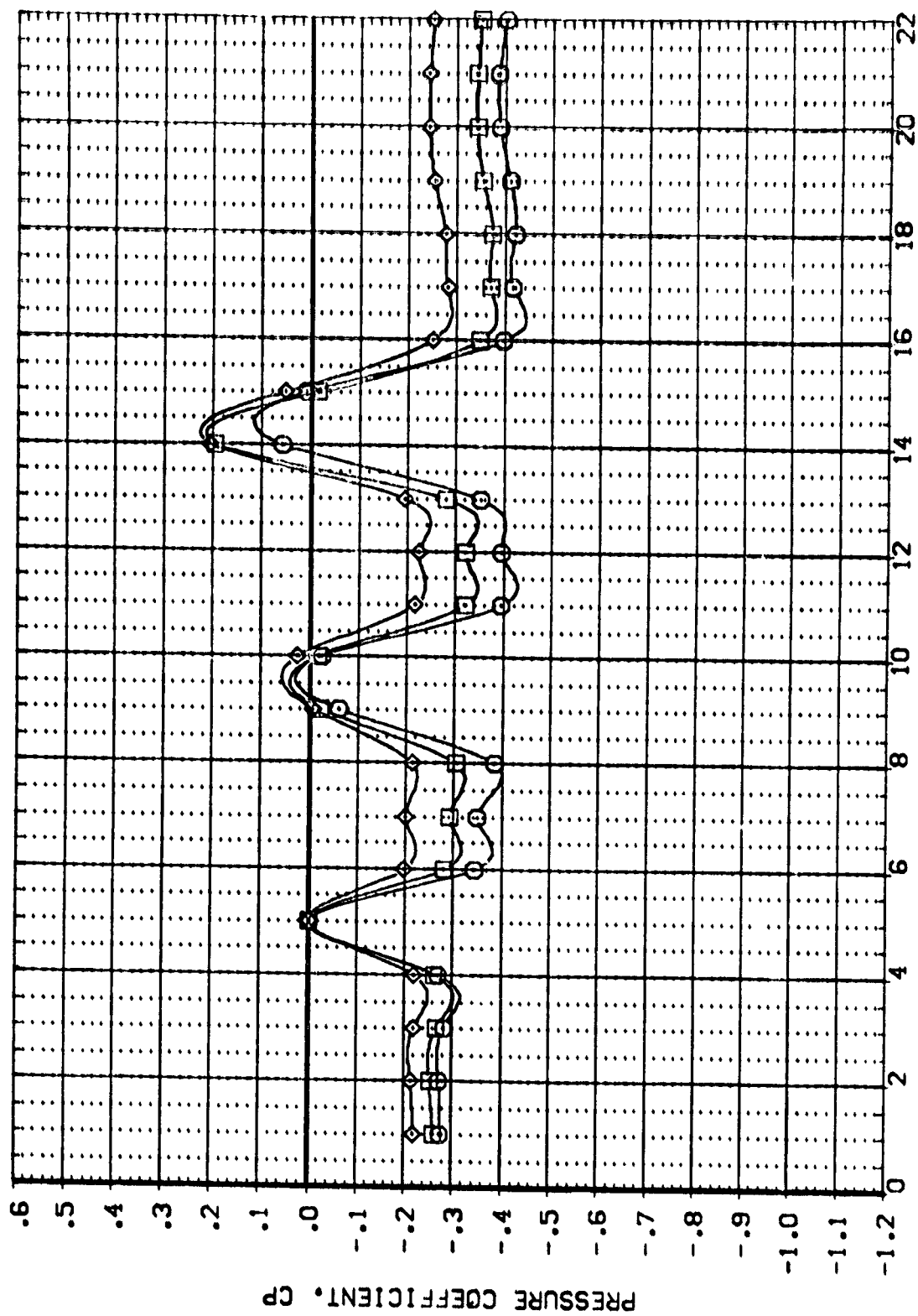


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

IA68 C1 F1

BASE REGIONS

REF 4303

PARAMETER VALUES

ALPHA 0.000

SYMBOL MACH X/L BETA
 O .899 1.000 -3.750
 Δ 1.211
 ◇ 1.503
 ◊ 1.991

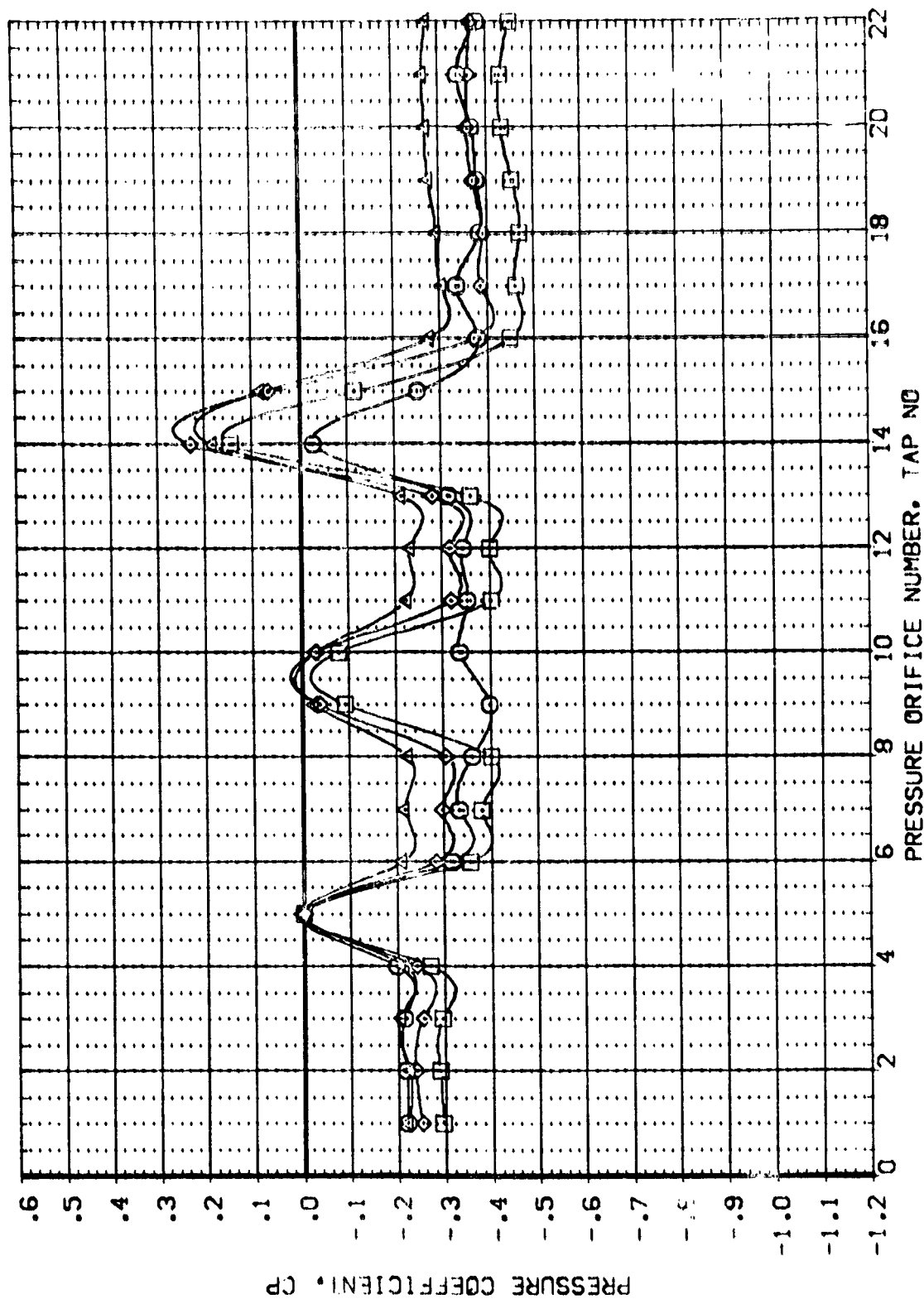


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

IA68 C1 F1
 BASE REGIONS (CF4303)
 MACH X/L BETA
 .899 1.000 -1.860
 1.211
 1.503
 1.991
 SYMBOL \square \diamond Δ
 PARAMETRIC VALUES
 ALPHA .000

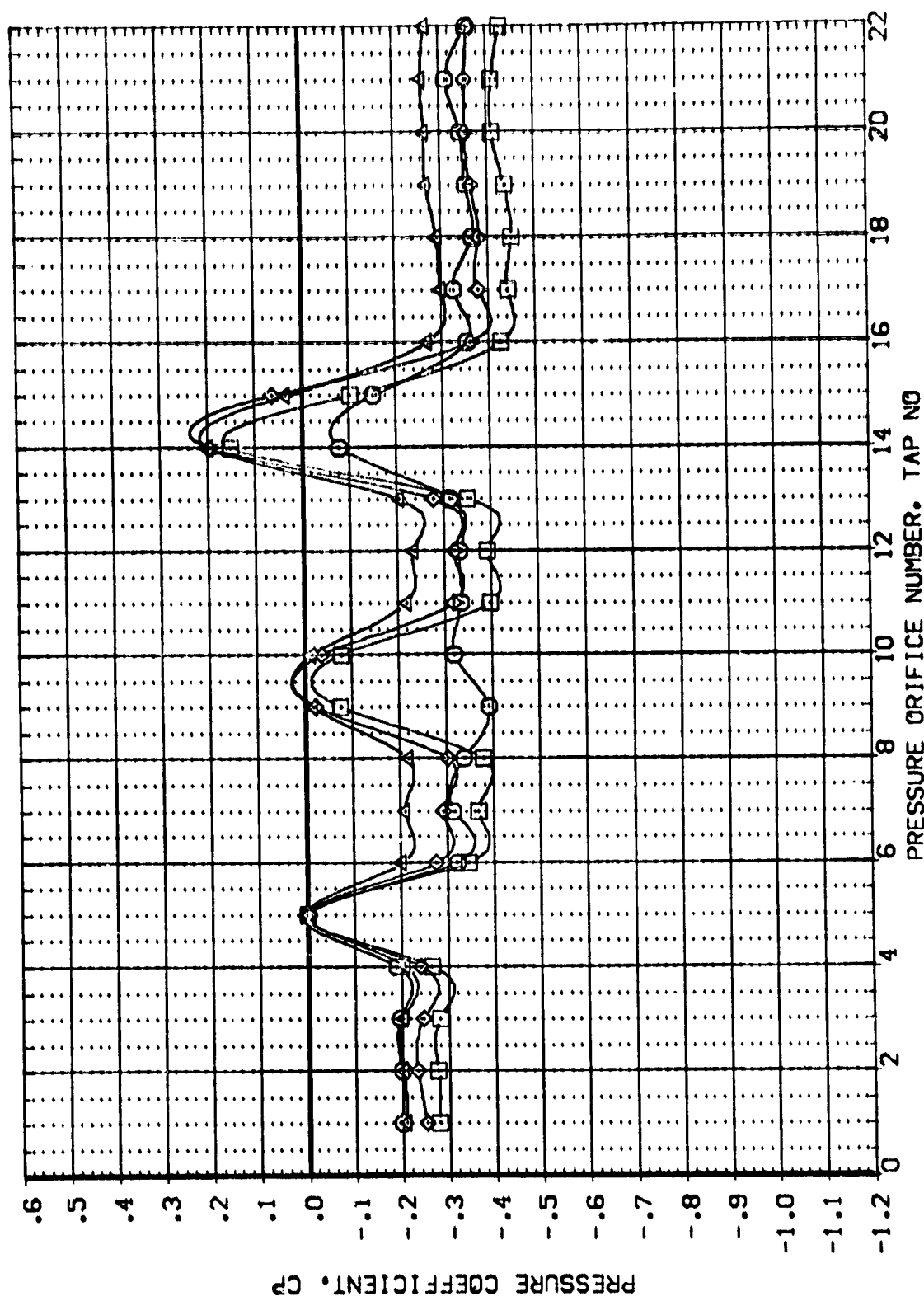


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

BASE REGIONS (REF 4303)

TA68 C1 F:
 SYMBOL MACH X/L BETA
 1.211 .899 1.000 .050
 1.503
 1.991

PISTONIC VALUES
 P-PA .000

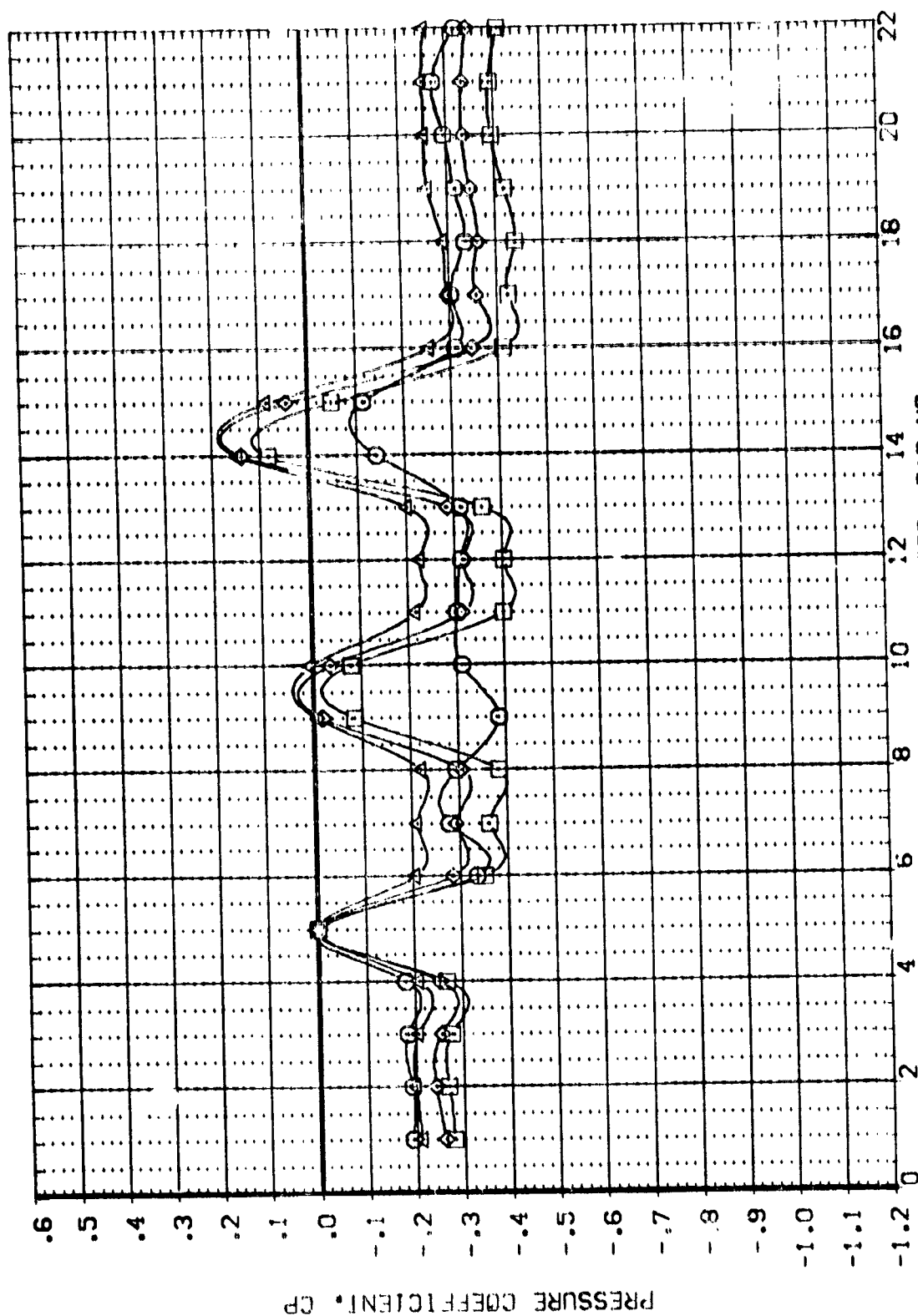


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

IA68 C1 F1 BASE REGIONS (RF4303)

| | | | | |
|-------|-------|-------|-------|-------------------|
| SYMB. | MACH | X/L | BETA | PARAMETRIC VALUES |
| ○ | .889 | 1.000 | 1.970 | .000 |
| □ | 1.211 | | | |
| ◇ | 1.503 | | | |
| △ | 1.991 | | | |

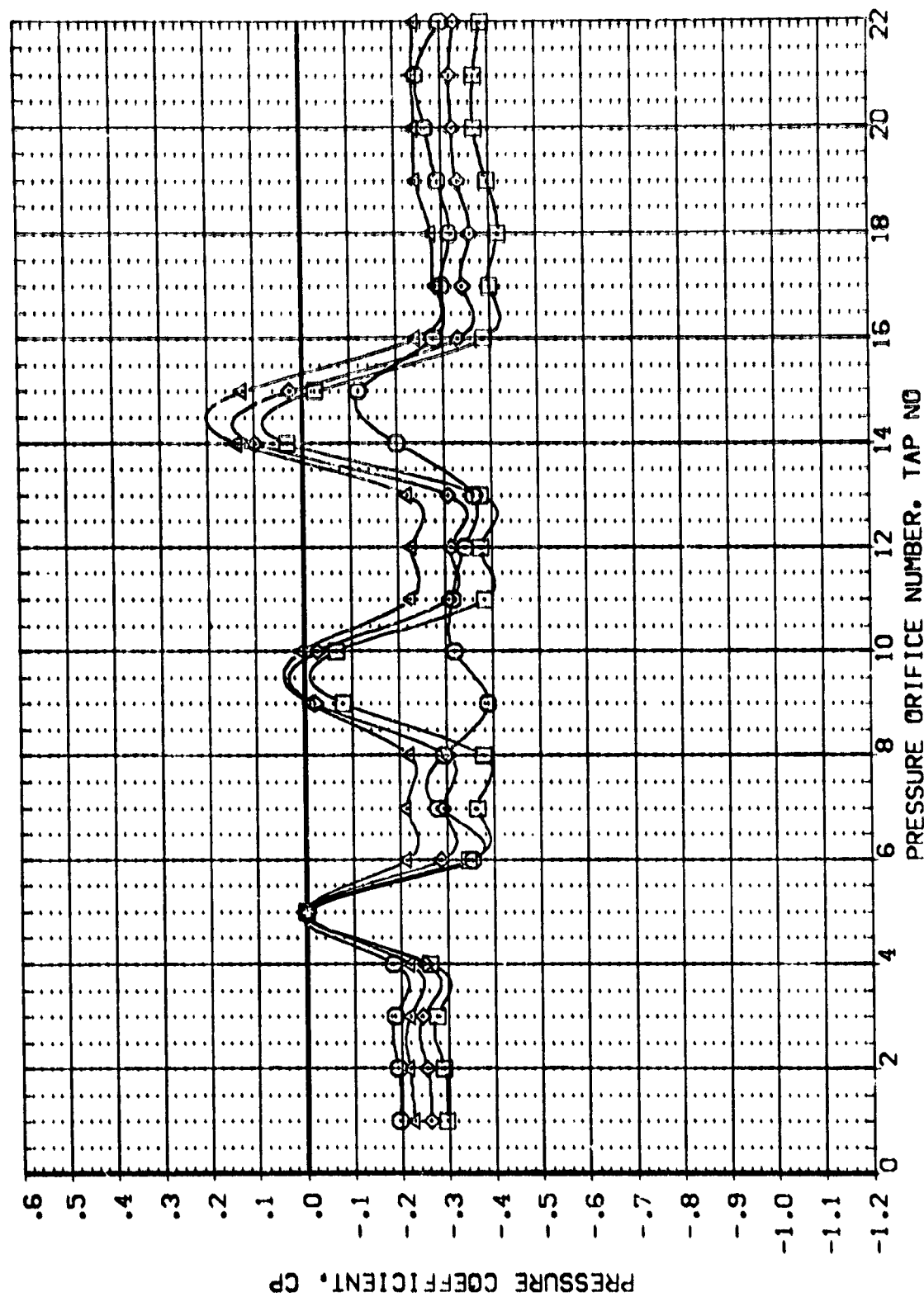


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS

BASE REGIONS (REF 4303)

BASE REGIONS
A. 2.4
B. 2.0

TAPER C: F:

SYMBOL MACH X/L BETA
 ○ .889 1.000 3.970
 △ 1.211
 ◇ 1.503
 △ 1.991

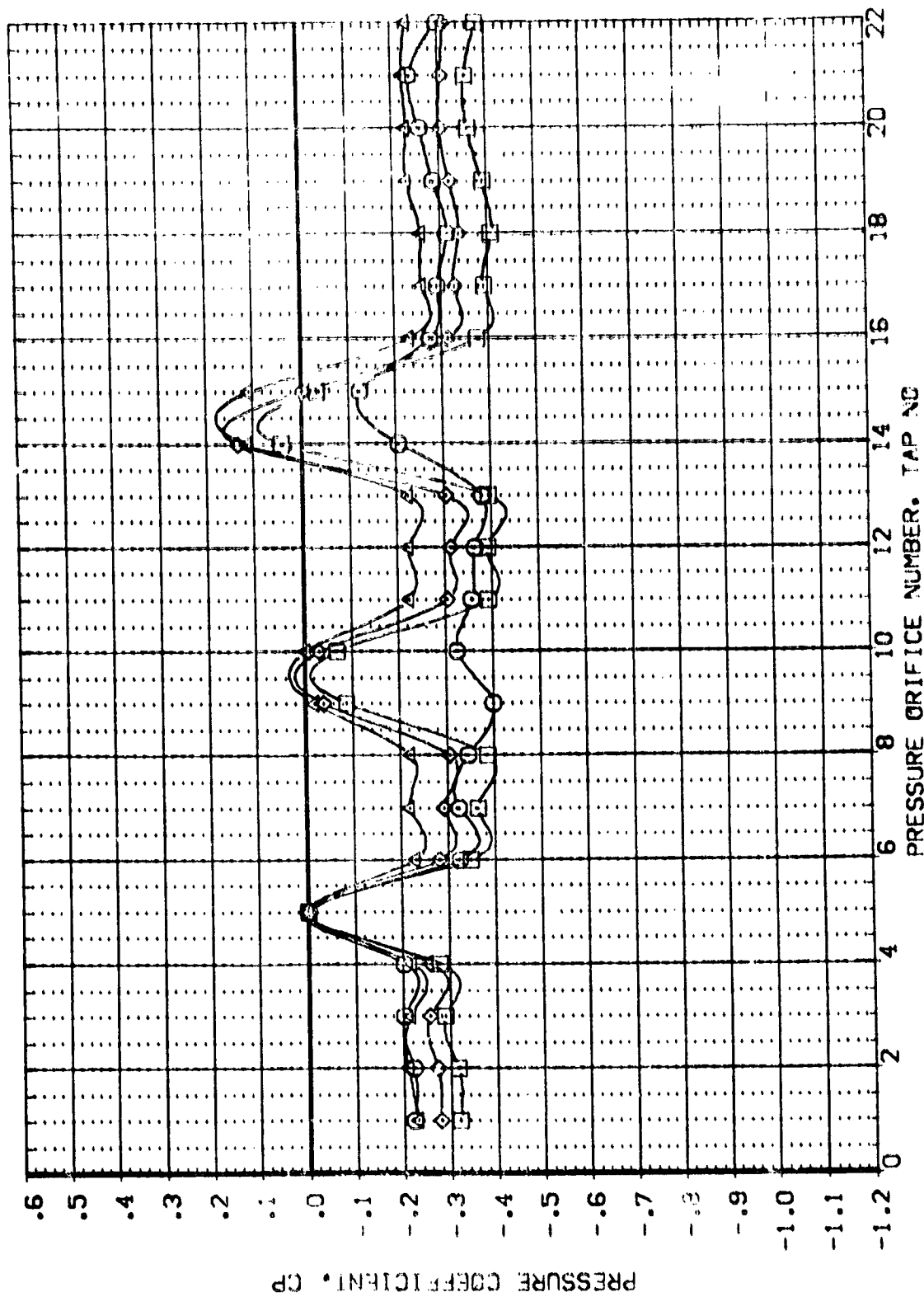


FIG 12 MODEL BASE PRESSURE COEFFICIENTS - NO STRUTS



1A68 C1 F1 M:(1)
 BASE REGIONS (R4304)
 PARAMETRIC VALUES
 MACH 1.211 1.503 1.991
 X/L 1.000
 ALPHA -3.870
 BETA .000

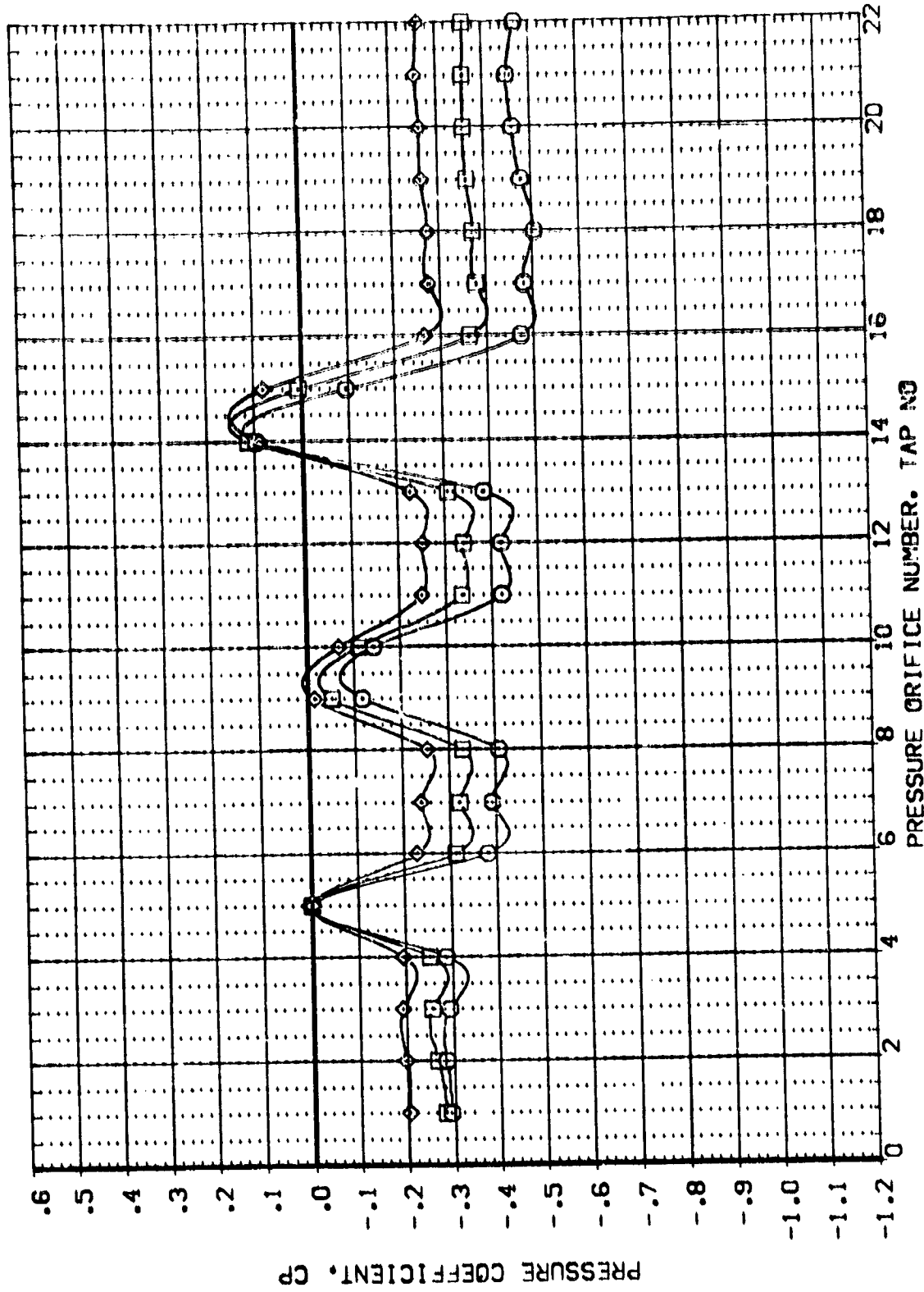


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

1A68 C1 F1 M1(1)

BASE REGIONS

(REF 4304)

PARAMETRIC VALUES

BETA

.000

SYMBOL MACH X/L ALPHA
 ○ 1.211 1.000 -2.000
 □ 1.503
 ◇ 1.591

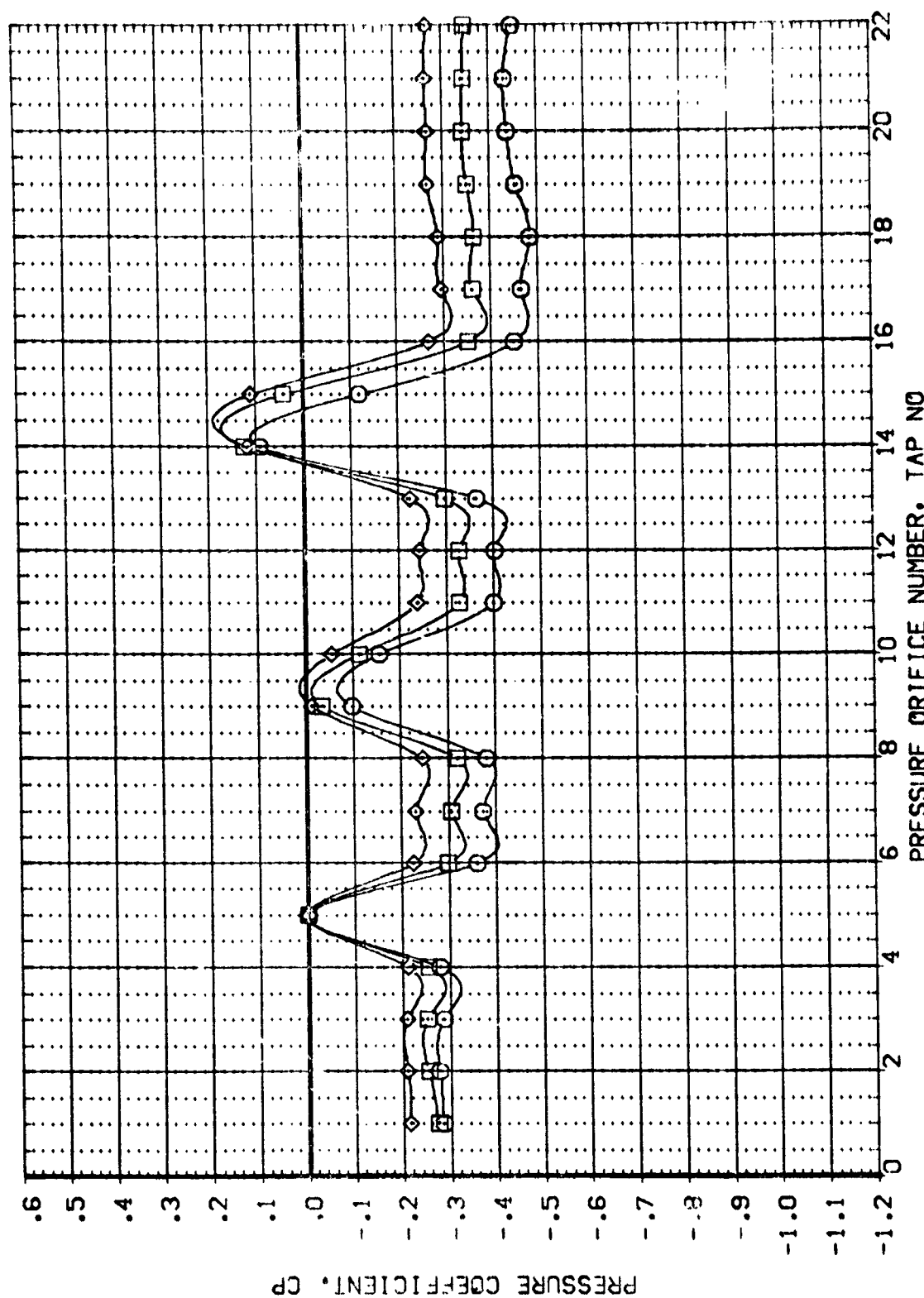


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

IA68 C1 F1 M1(1)

BASE REGIONS

(RF4304)

SYMBOL
 □
 ○
 ◇

MACH X/L ALPHA
 1.211 1.000 .000
 1.503
 1.991

PARAMETRIC VALUES
 BETA .000

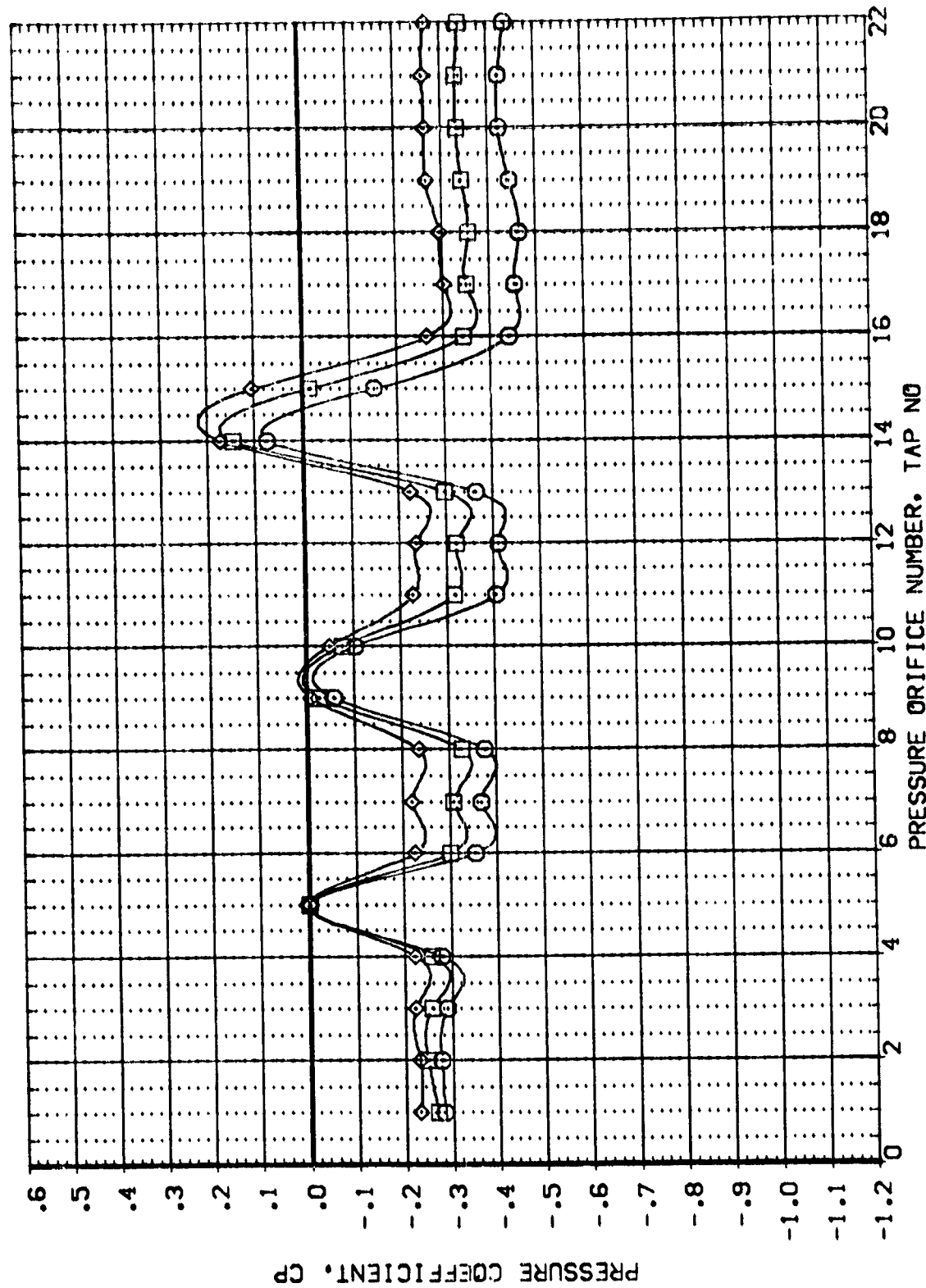


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

LA68 C: F: M(1)

BASE REGIONS

(RF4304)

GEOMETRIC VALUES

BETA

SYMBOL MACH X/L ALPHA
 O 1.211 1.000 2.000
 ◇ 1.503
 ◇ 1.991

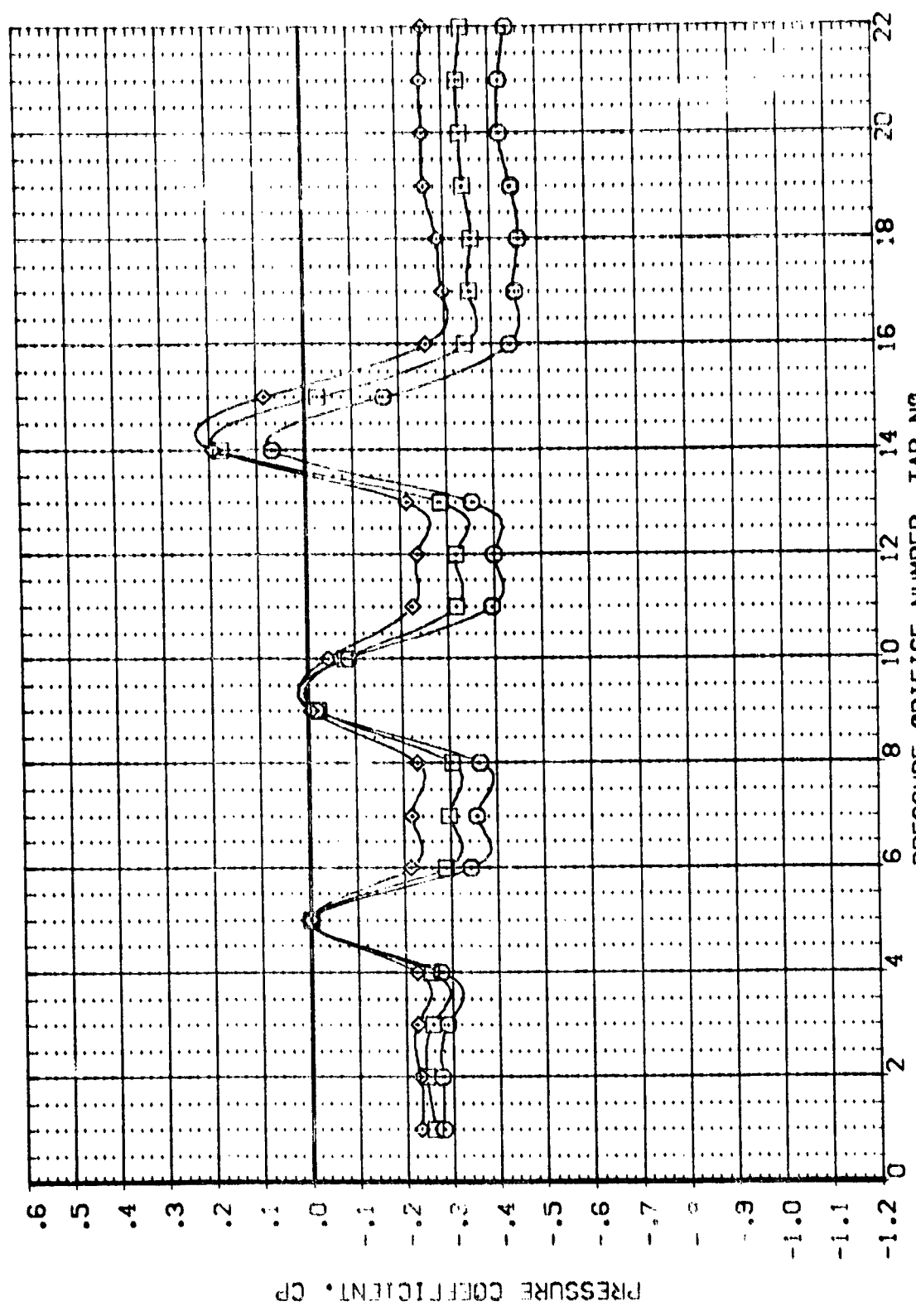


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

IAGS C1 F1 M1(1) BASE REGIONS (RF4304) PARAMETRIC VALUES
 SYMB- MACH X/L ALPHA BETA .000
 ◇ 1.211 1.000 3.900
 ◇ 1.503
 ◇ 1.991

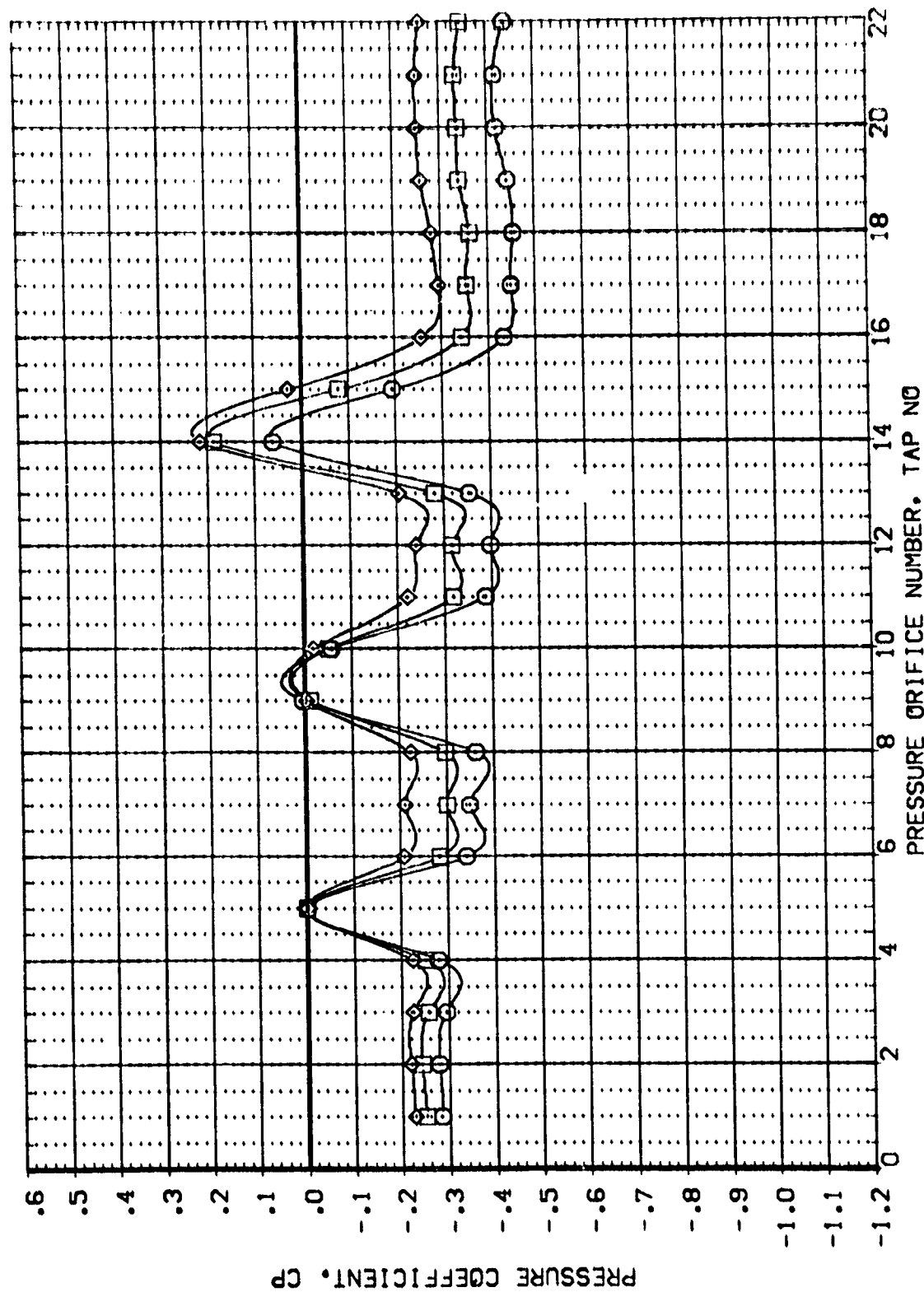


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

IA68 C1 F1 M1(1)

BASE REGIONS

(RF4805)

PARAMETRIC VALUES
ALPHA .000

SYMBOL MACH X/L BETA
O .896 1.000 -1.880
□ 1.209
◇ 1.503
△ 1.991

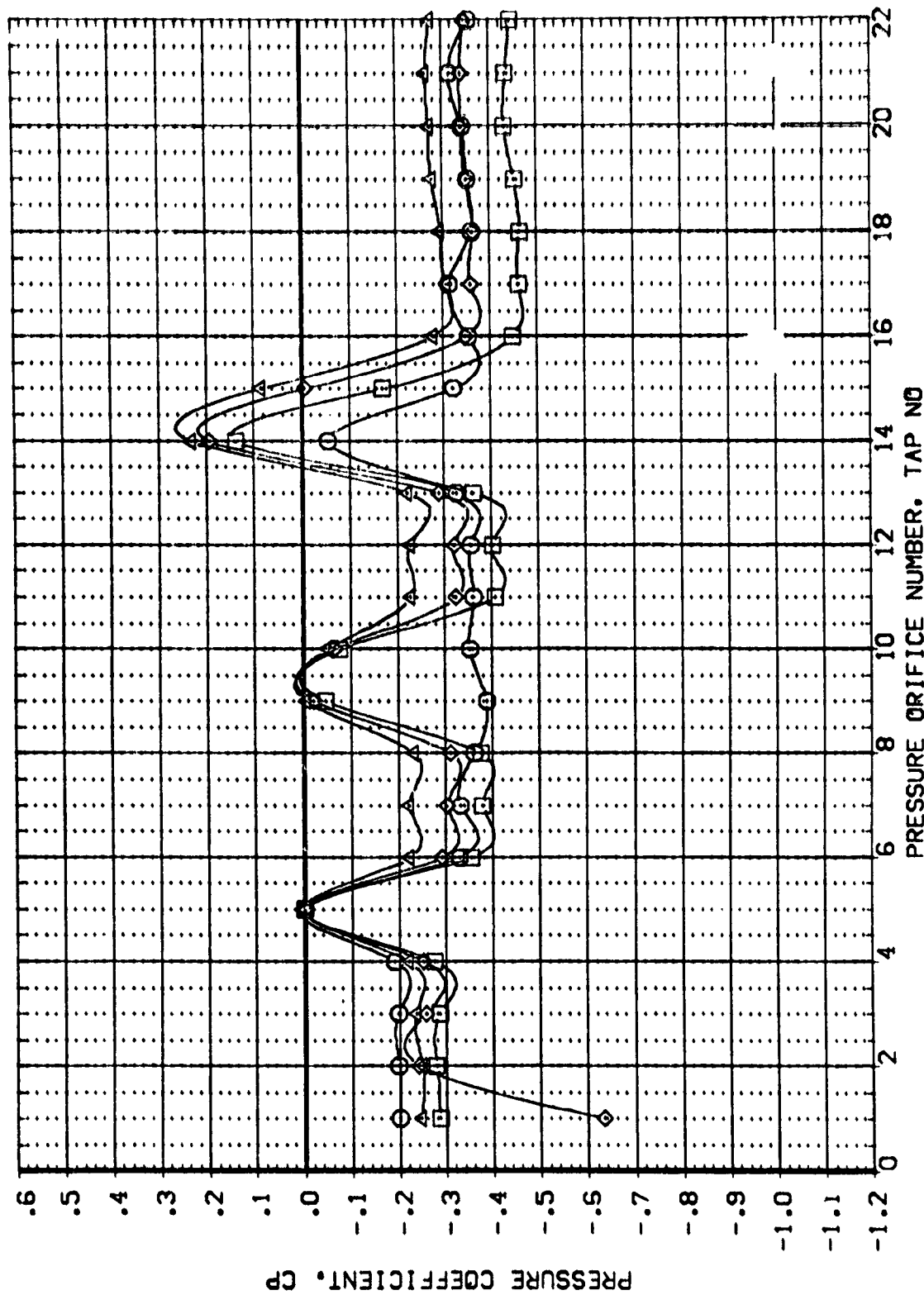


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

IA68 C1 F1 M1(1)

BASE REGIONS

(RF4305)

PARAMETRIC VALUES
ALPHA .000

SYMBOL MACH X/L BETA
O .896 1.000 .030
I 1.209
Δ 1.503
◇ 1.991

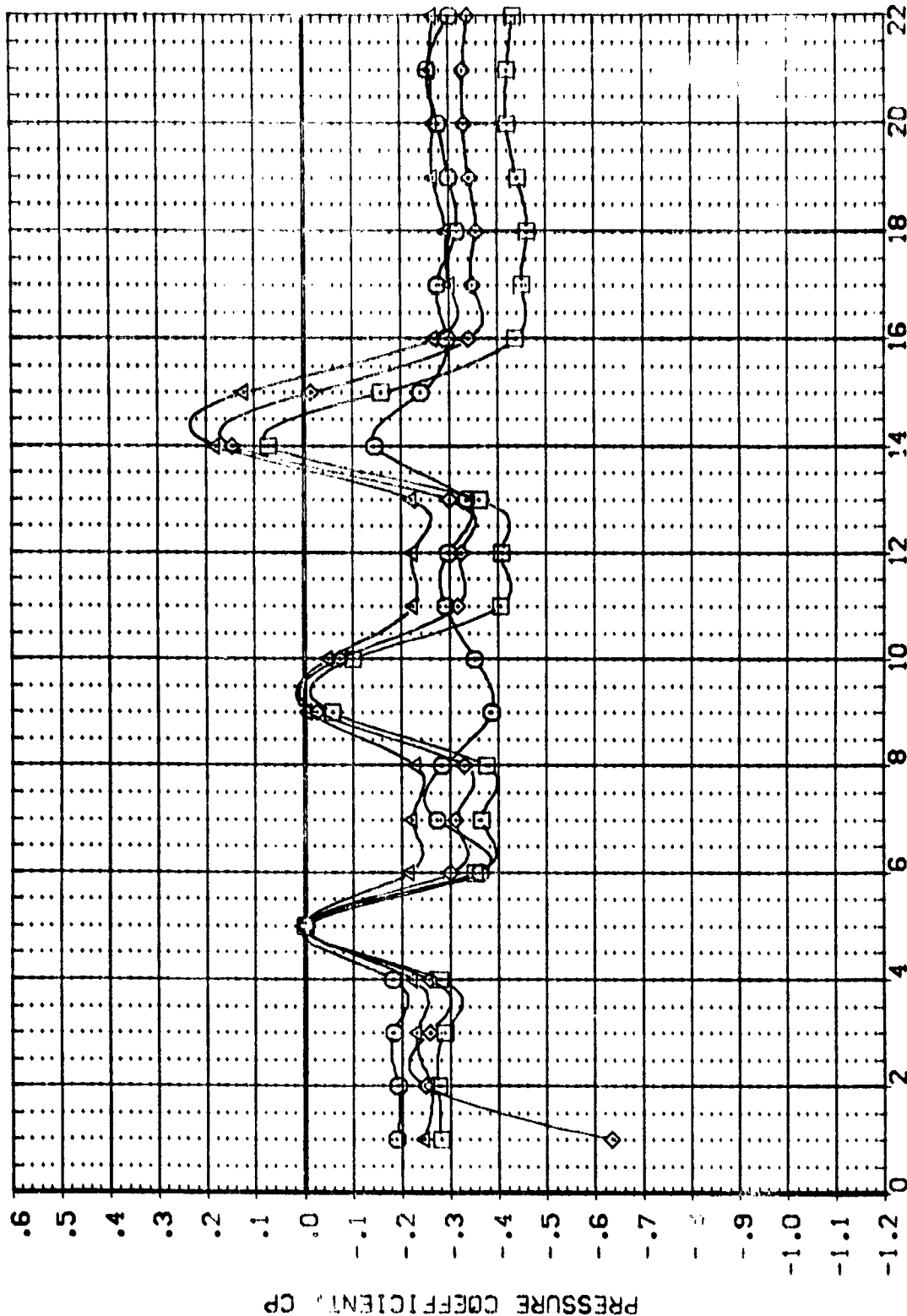


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

1A68 C1 F1 M(1)

BASE REGIONS

(RF4305)

PARAMETRIC VALUES
ALPHA .000

SYMBOL MACH X/L BETA
O .896 1.000 1.960
□ 1.209
△ 1.503
◇ 1.991

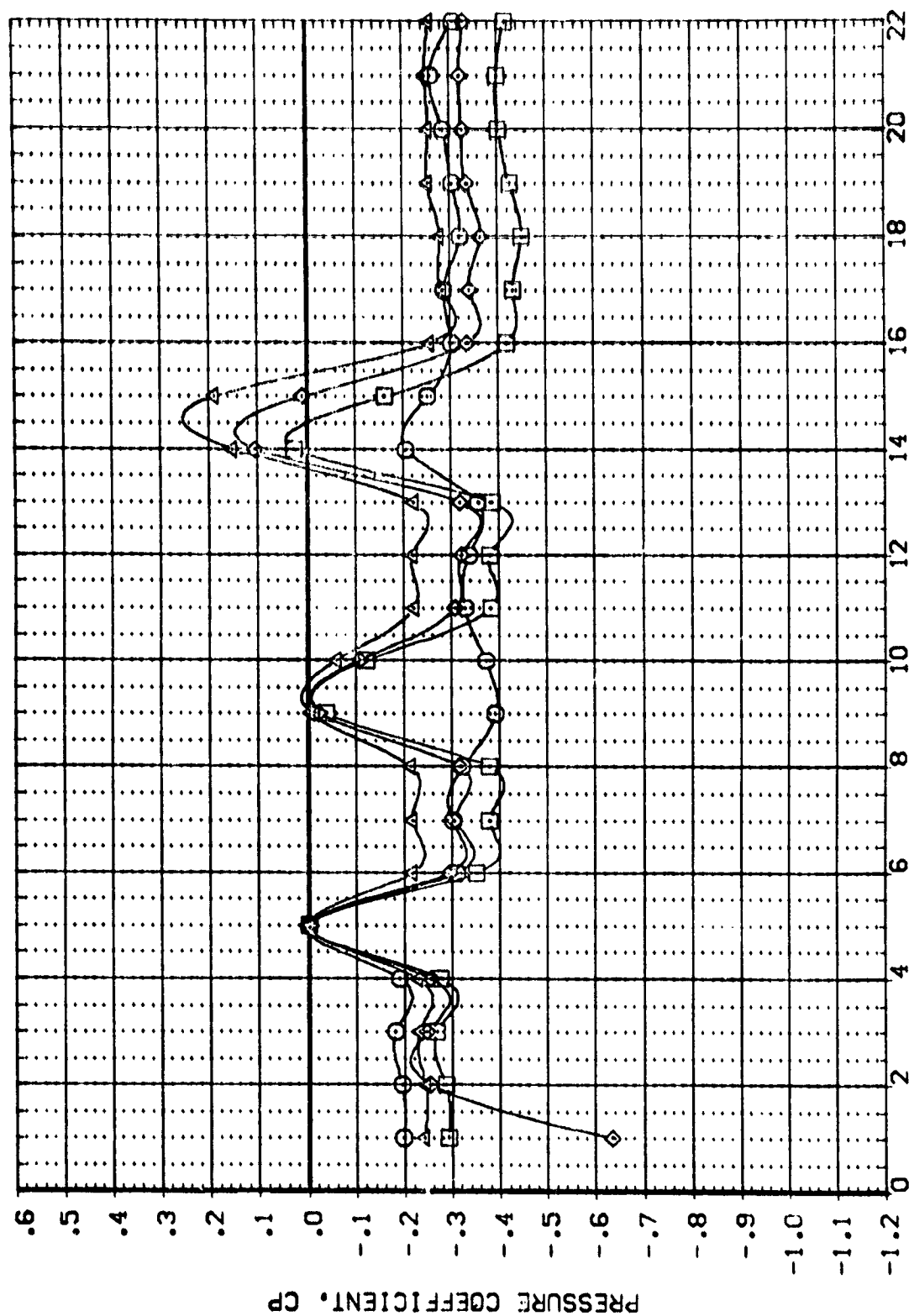


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

IA68 C1 F1 M1(1) BASE REGIONS (PF4305)

SYMBOL MACH X/L BETA
 O .896 1.000 3.910
 Δ 1.209
 ◇ 1.503
 △ 1.991

GEOMETRIC VALUES
 ALPHA .300

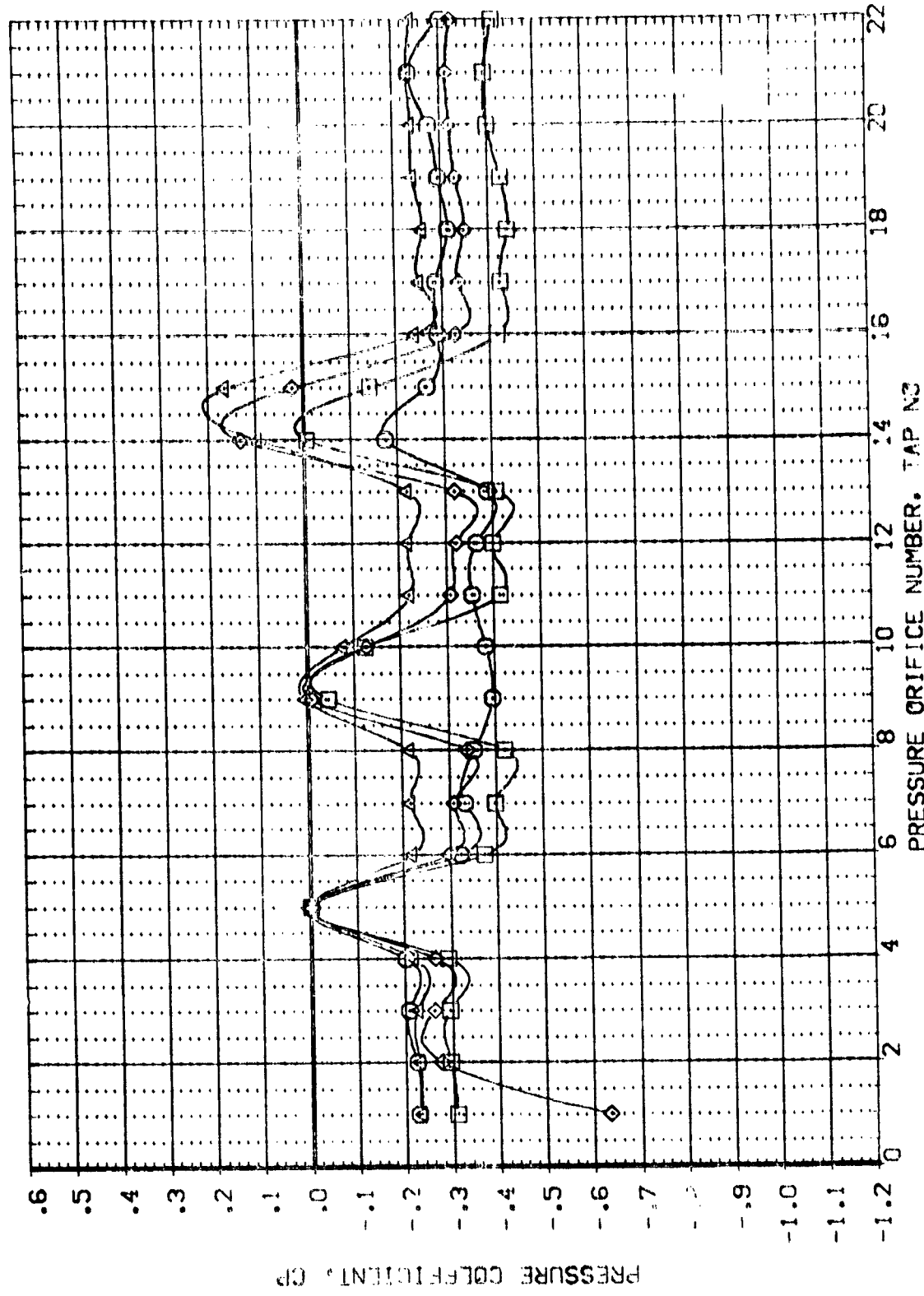


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

JAG8 C1 F1 M1(1) (R=4311)
 BASE REGIONS
 PARAMETRIC VALUES
 SYMB. MACH X/L ALPHA
 1.503 1.000 -3.700
 1.991

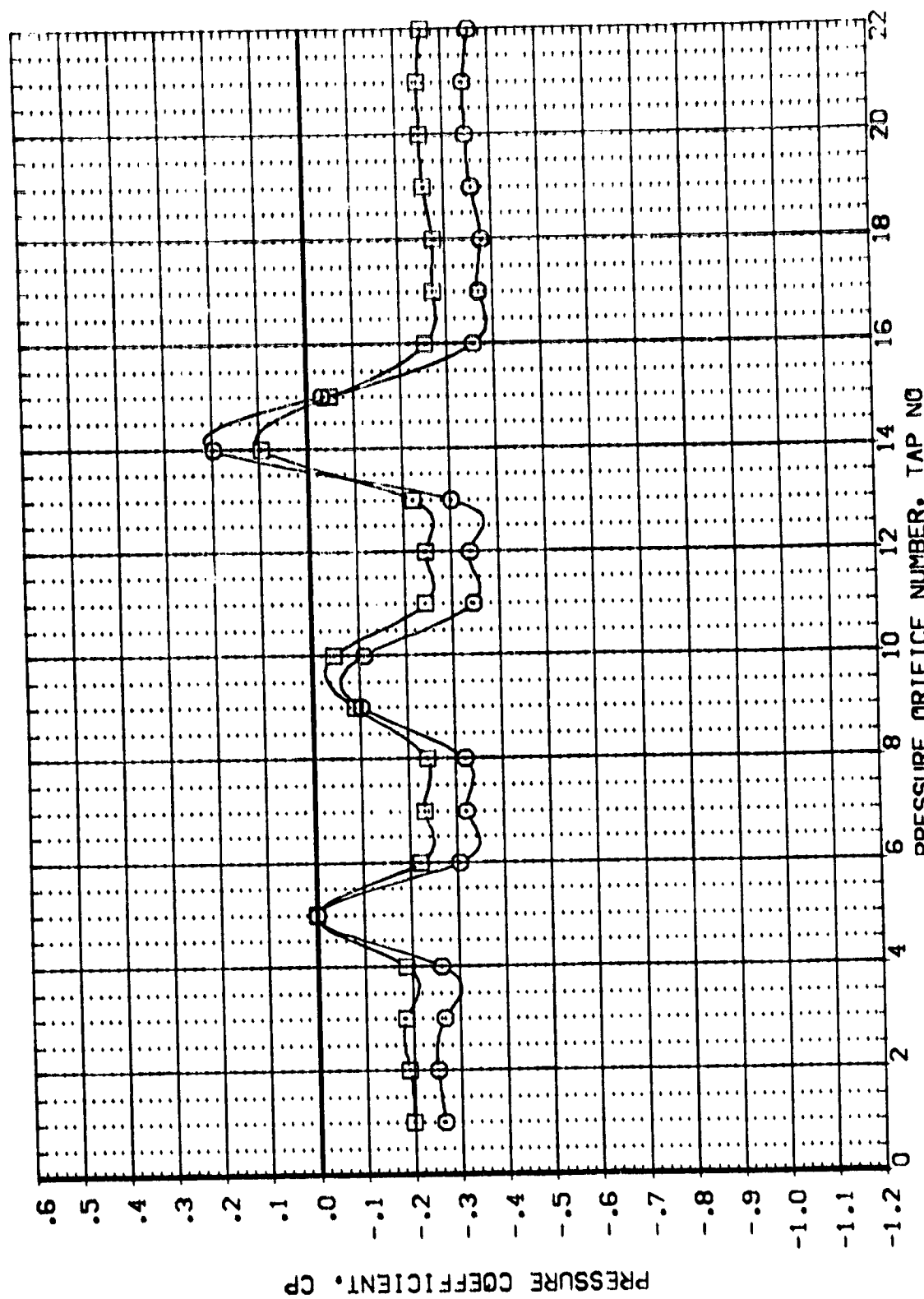


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

1A68 C1 F1 M1(1) BASE REGIONS (REF 1311)
 SYMBO MACH X/L ALPHA
 1.503 1.000 -1.790
 1.991

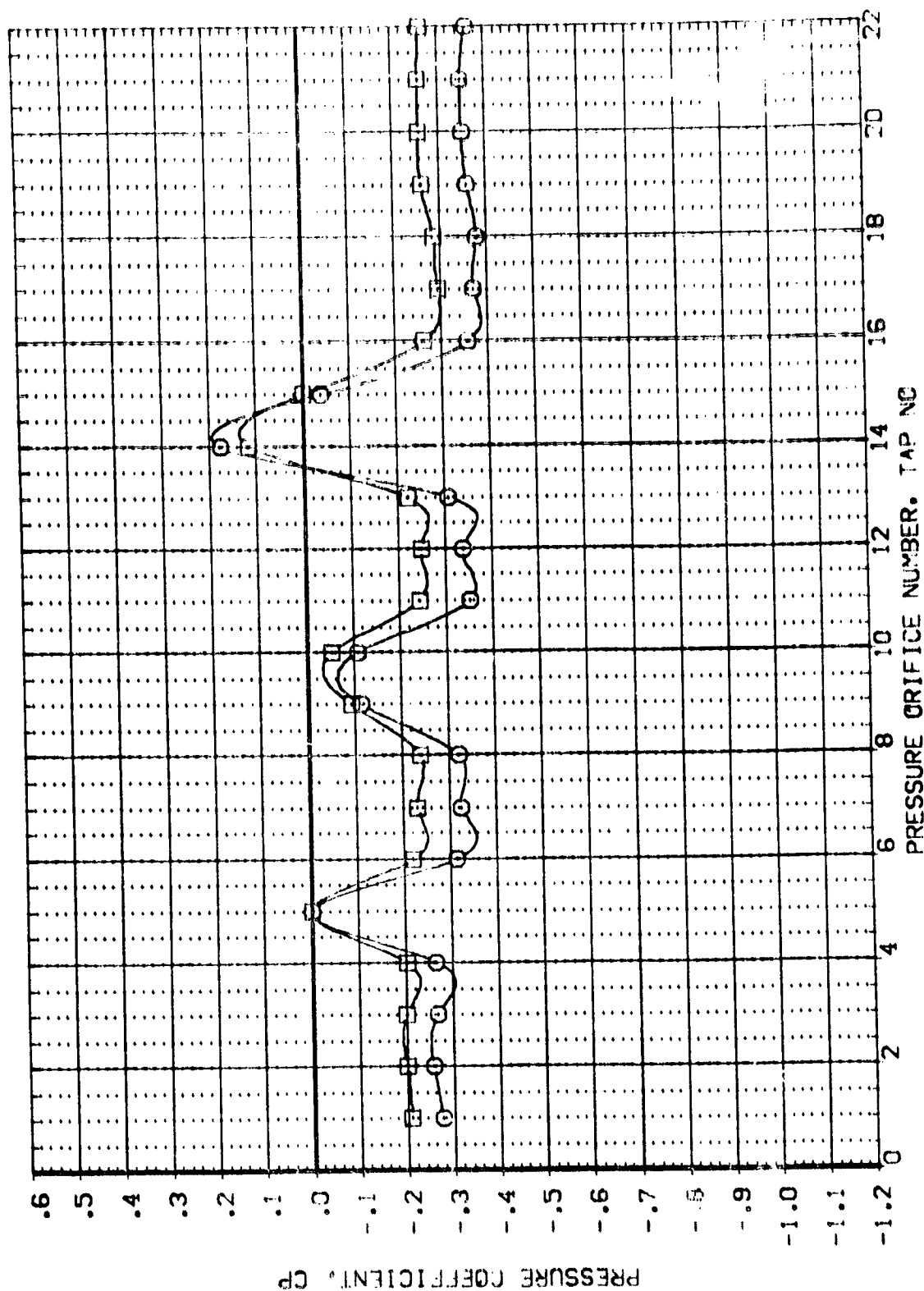


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUCT

TAG8 C1 F1 M1010

BASE REGIONS

(REF311)

SYMBOL MACH X/L ALPHA
 □ 1.503 1.000 .120
 ○ 1.991

PARAMETRIC VALUES
 BETA .000

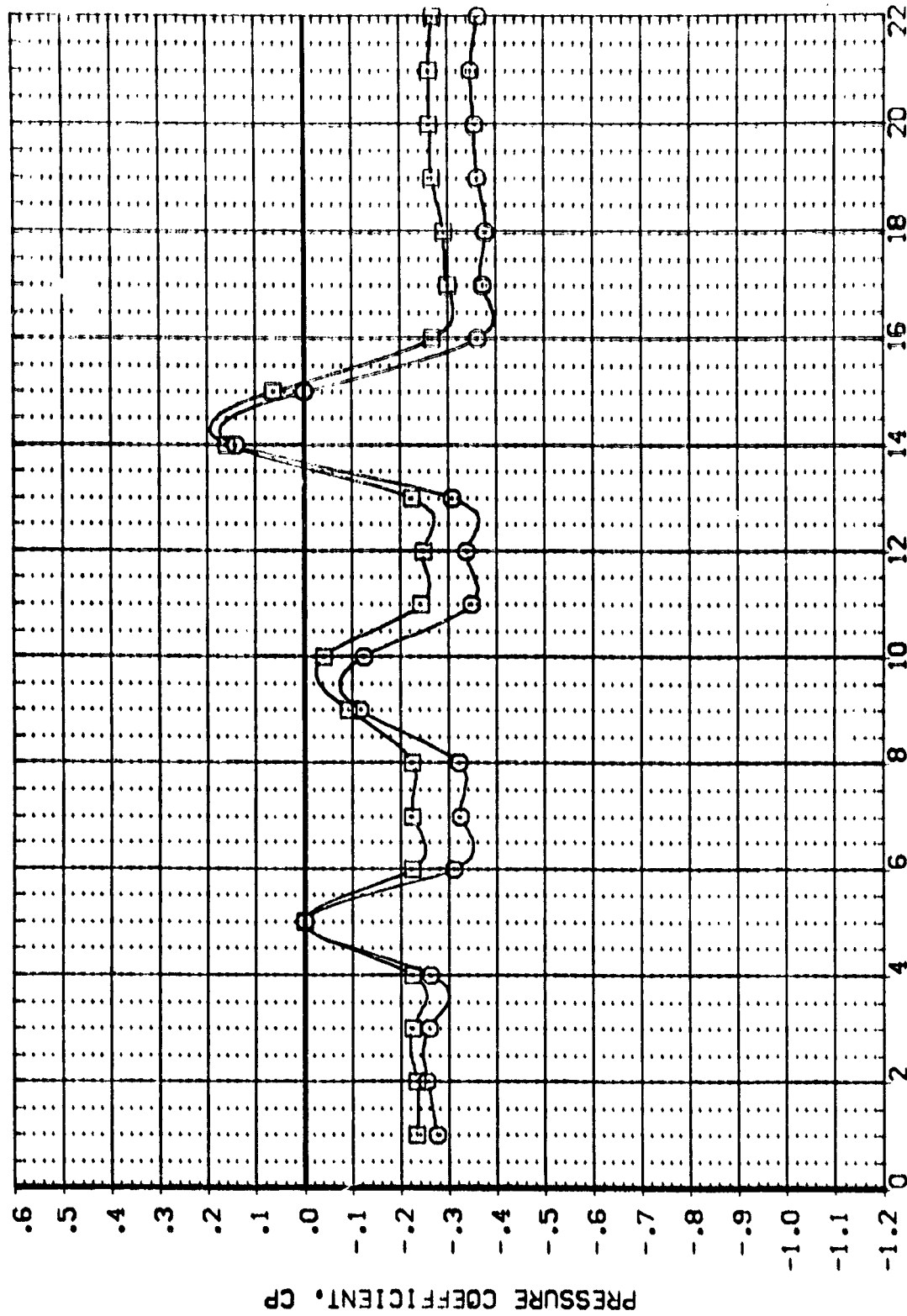


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

1A68 C1 F1 M1010

BASE REGIONS

10043100

SYMBOL

MACH
1.503
1.991

X/L
1.000

ALPHA
2.010

PARAMETER VALUES

0.00

0.00

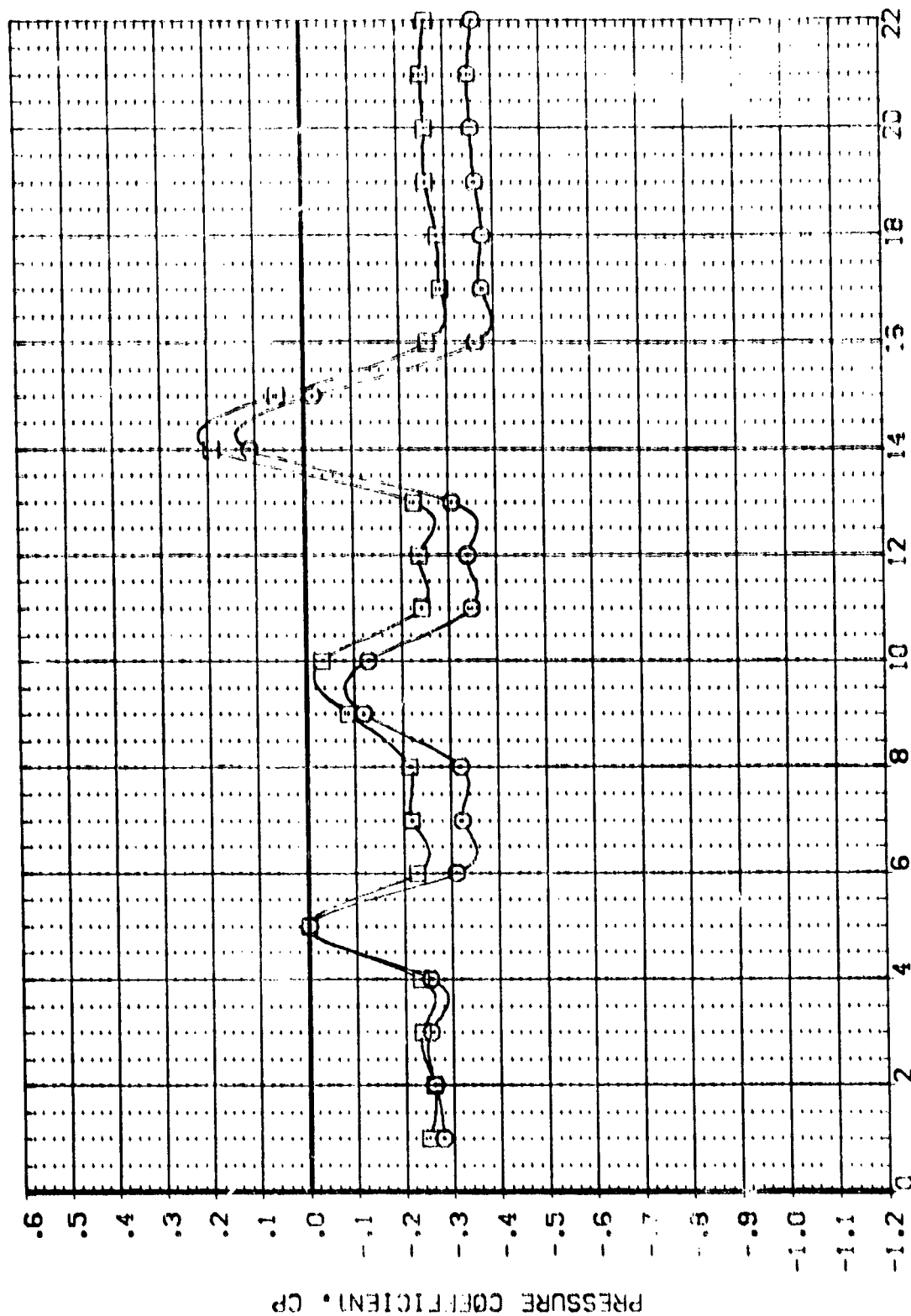


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

JA68 C1 F1 M(1) BASE REGIONS (R=13.10)
 MACH 1.503 X/L 1.000 ALPHA 4.040 PARAMETRIC VALUES
 1.991 3E-1 .000

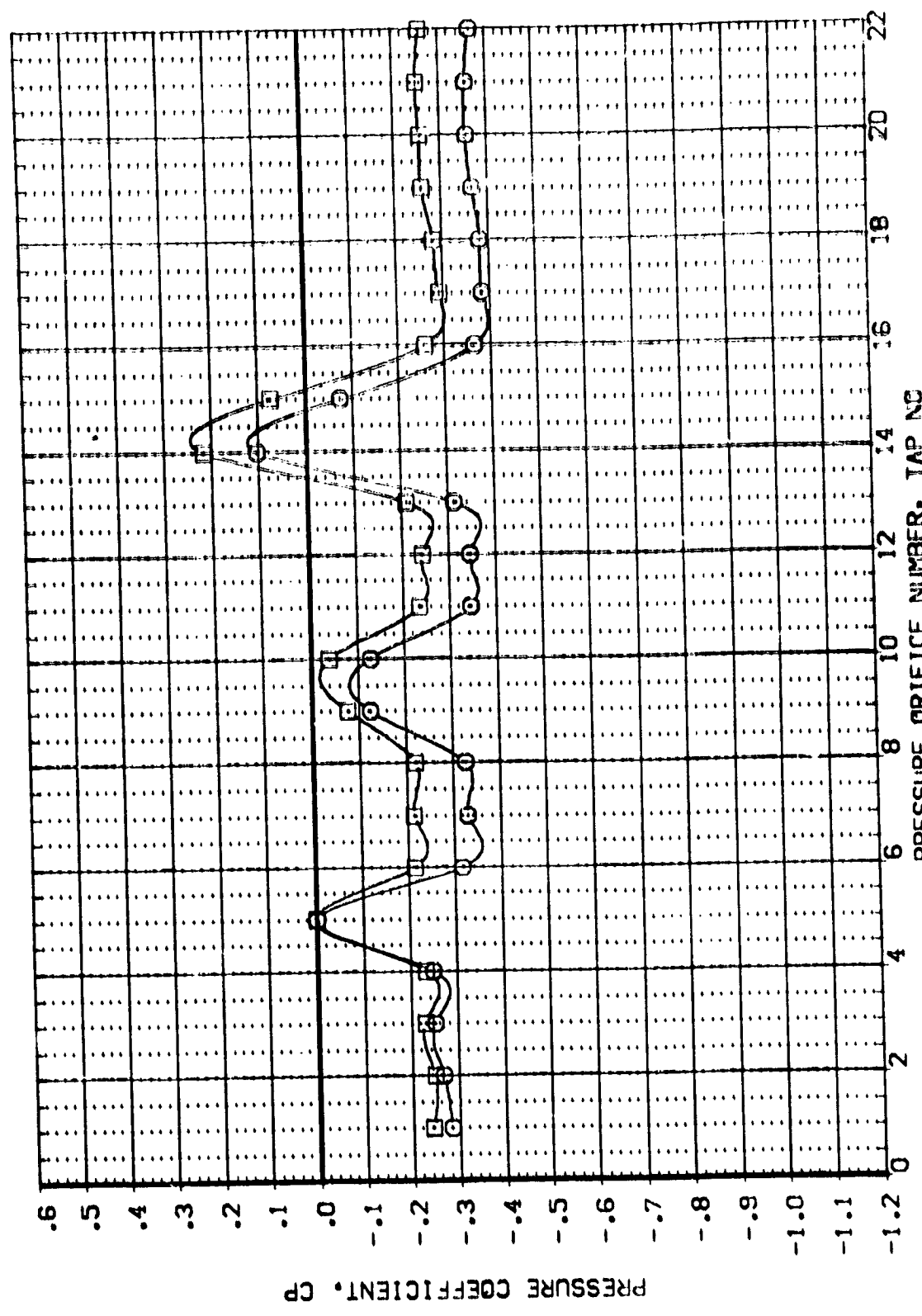


FIG 13 MODEL BASE PRESSURE COEFFICIENTS - M1 STRUT

TA68 C: F: M2(1) BASE REGIONS (RF4306) PARAMETRIC VALUES
 SYMBOL MACH X/L ALPHA BETA .000
 .896 1.000 .000
 1.223

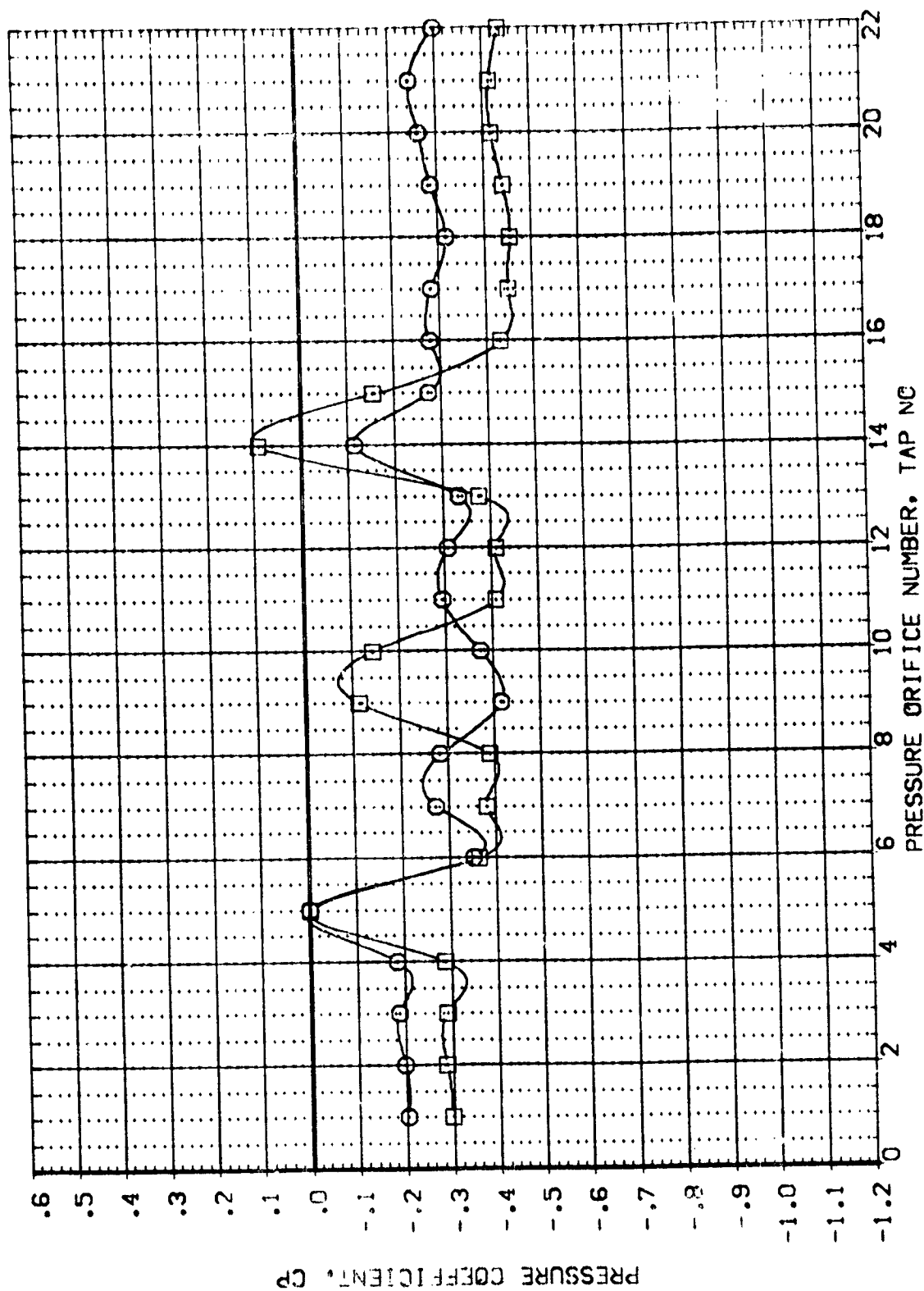


FIG 14 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT

IA68 C1 F1 M2(1) + FILLET BASE REGIONS (RF4BC7)

| | | | | |
|--------|-------|-------|--------|-------------------|
| SYMBOL | MACH | X/L | ALPHA | PARAMETRIC VALUES |
| □ | 1.206 | 1.000 | -4.080 | BETA |
| ○ | 1.991 | | | .000 |

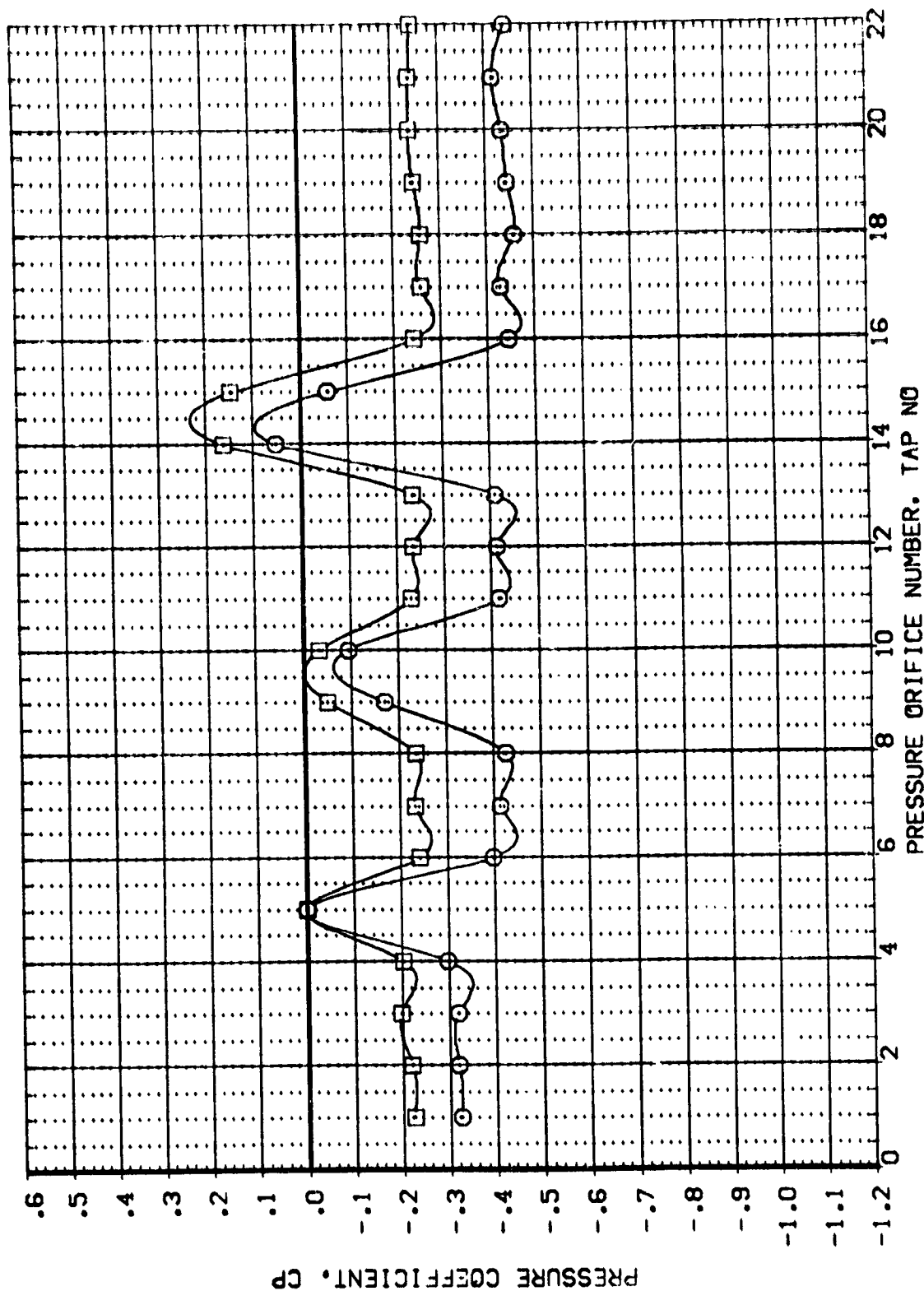


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

IA68 C: F1 V2(1) + FILLET BASE REGIONS (REF 4300)

PARAMETRIC VALUES
BETA .300

SYMBOL MACH X/L ALPHA
.896 1.000 -3.870
1.503

R_b

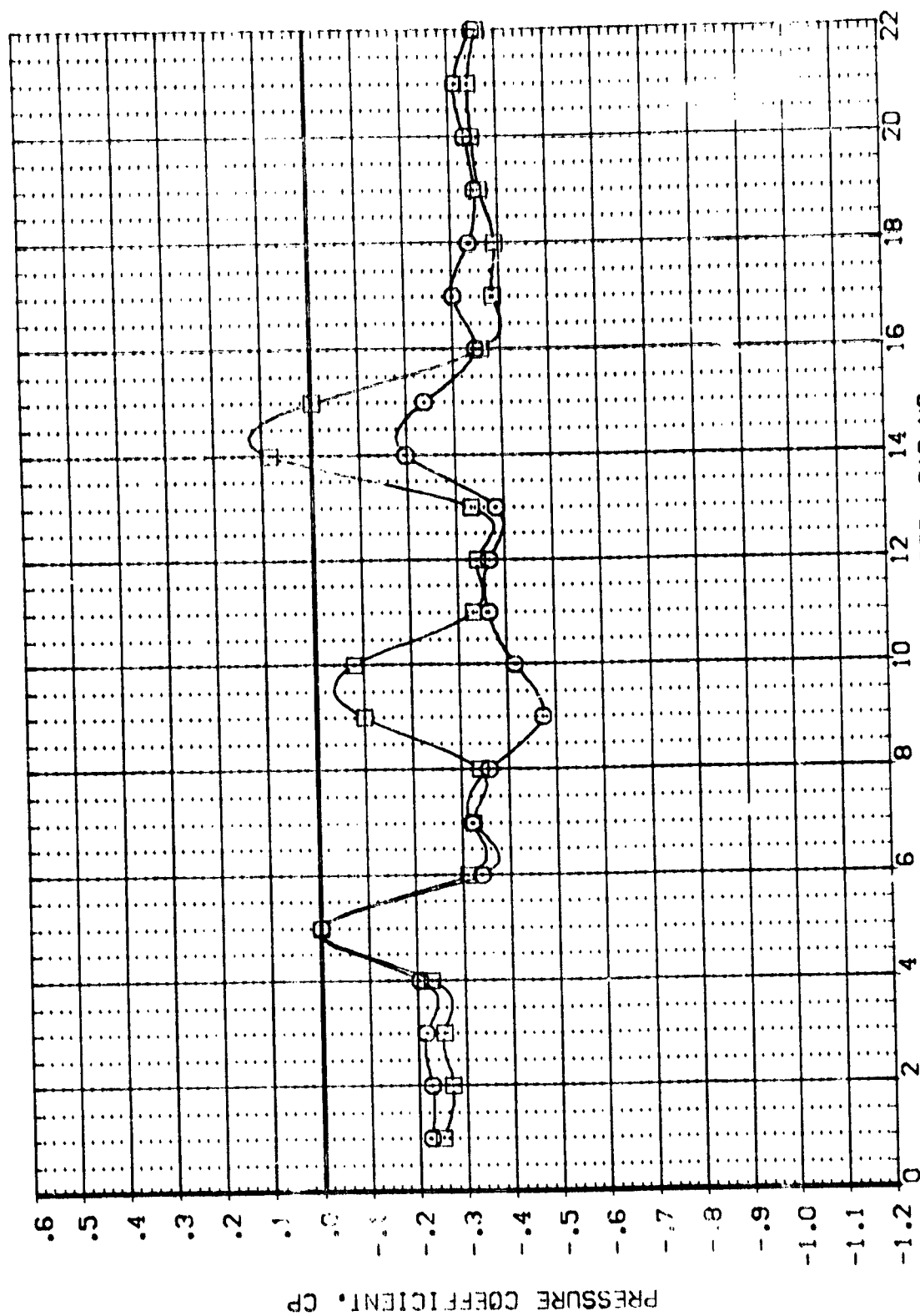


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

JA68 C1 F1 M2C1) + FILLET BASE REGIONS (RF48C7)

PARAMETRIC VALUES
BETA .000

SYMBOL MACH X/L ALPHA
 O .896
 [] 1.206
 < 1.503
 > 1.991

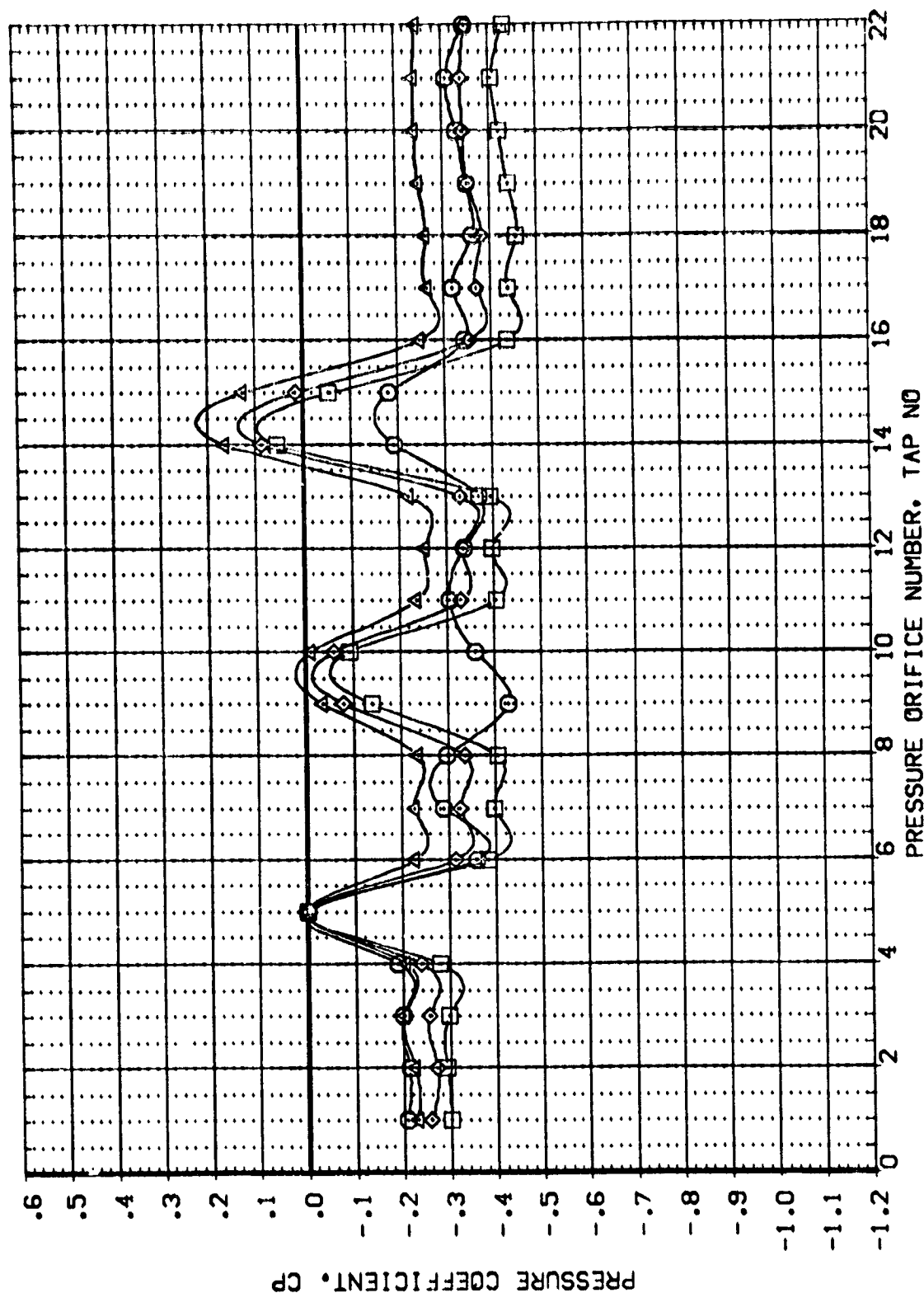


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

IA68 C1 F1 M2(1) + FILLET (R=430")

BASE REGIONS

PARAMETRIC VALUES

BETA .000

ALPHA .000

X/L 1.000

MAC-
 .896
 1.206
 1.503
 1.991

SYMBOL
 □
 ○
 △

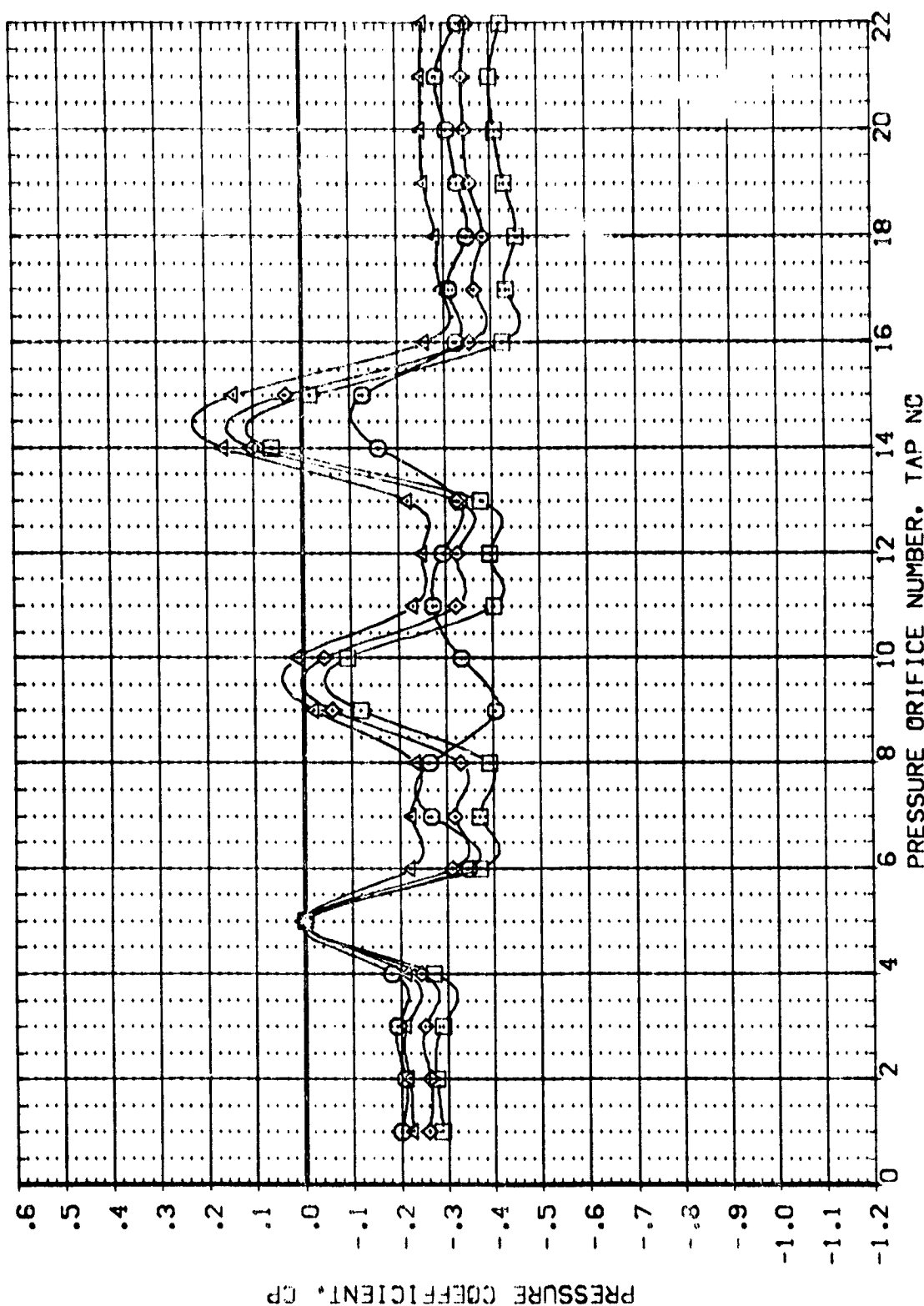


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

IA68 C1 F1 M2(1) + FILLET BASE REGIONS

(RF4807)

SYMBOL
○ □ ◇

MACH
.696
1.206
1.503

X/L ALPHA
1.000 1.890

PARAMETRIC VALUES
BETA .000

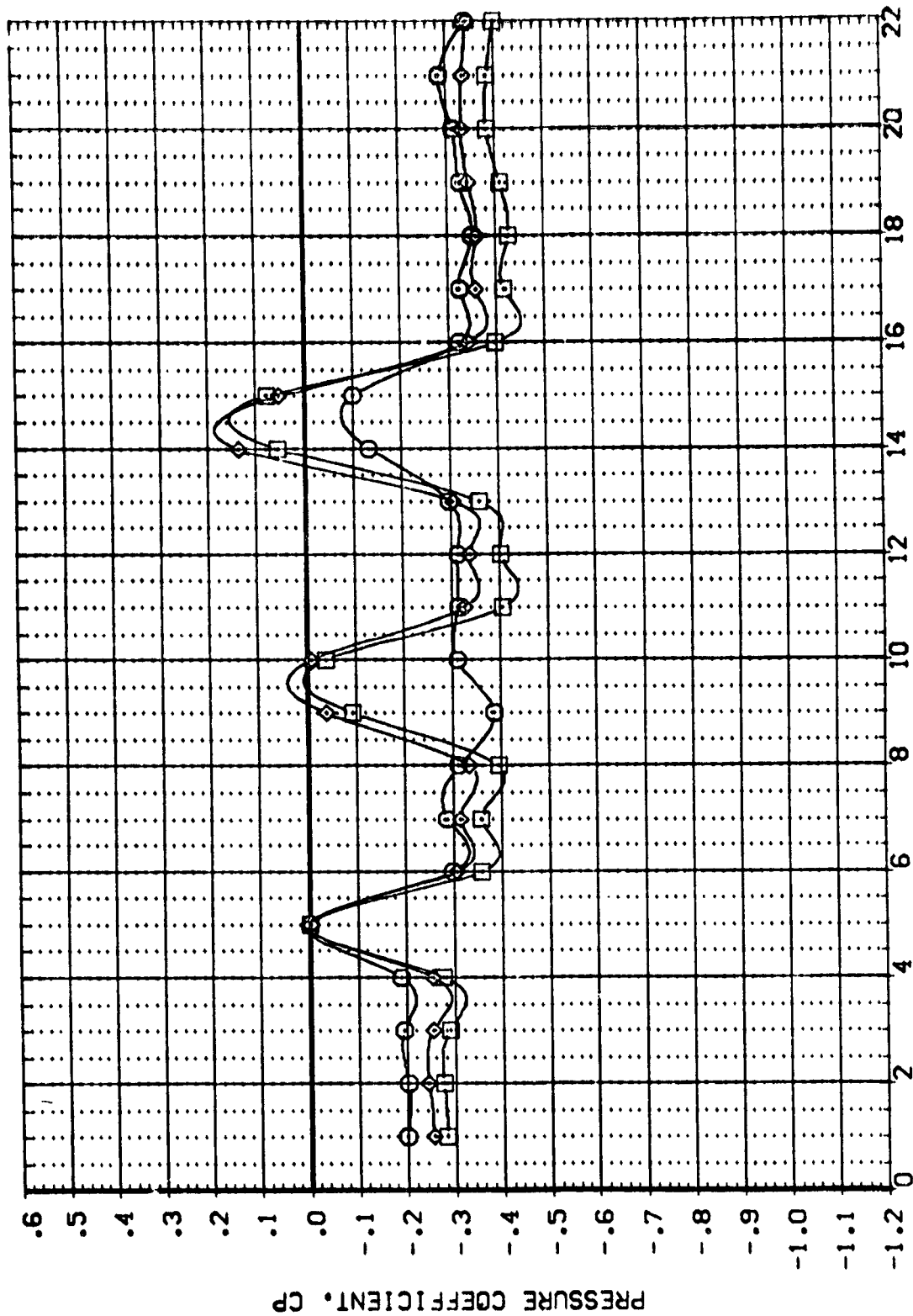


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

1A68 C1 F1 M2(1) + FILLET BASE REGIONS (RF4307)
 SYMBOL MACH 1.991 X/L 1.000 ALPHA 2.120
 PARAMETRIC VALUES
 BETA .000

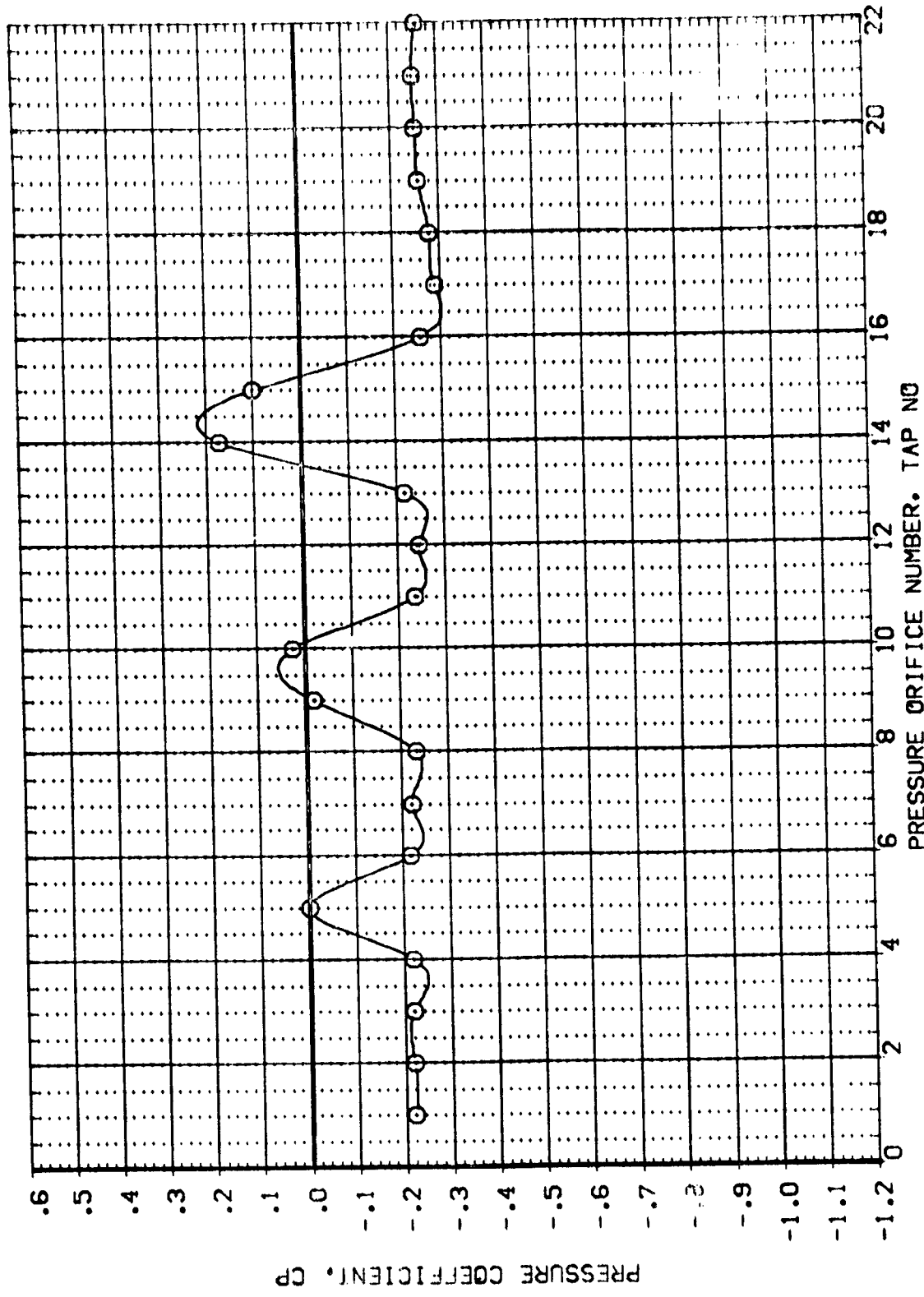


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET



IA68 C1 F1 M2(1) + FILLET BASE REGIONS

(RF4807)

PARAMETRIC VALUES

SYMBOL MACH X/L ALPHA
 □ 0.896 1.000 3.790
 ○ 1.206
 ◇ 1.503

BETA

.000

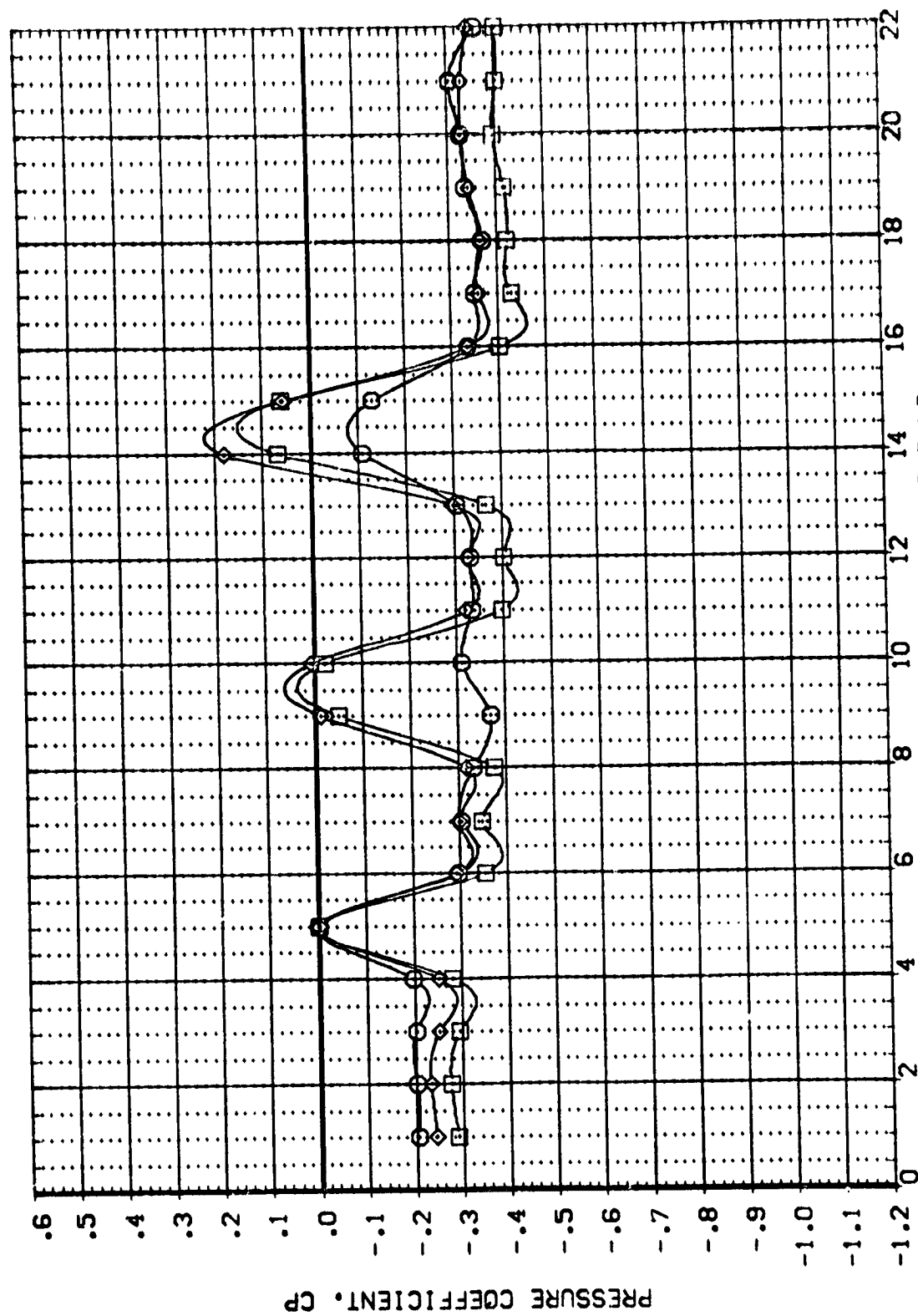


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET
 PRESSURE ORIFICE NUMBER, TAP NO

IA68 C1 F1 M2(1) + FILLET BASE REGIONS (CF43C7)

SYMBOL MACH X/L ALPHA

1.991 1.000 4.070

BETA

PARAMETRIC VALUES
.000

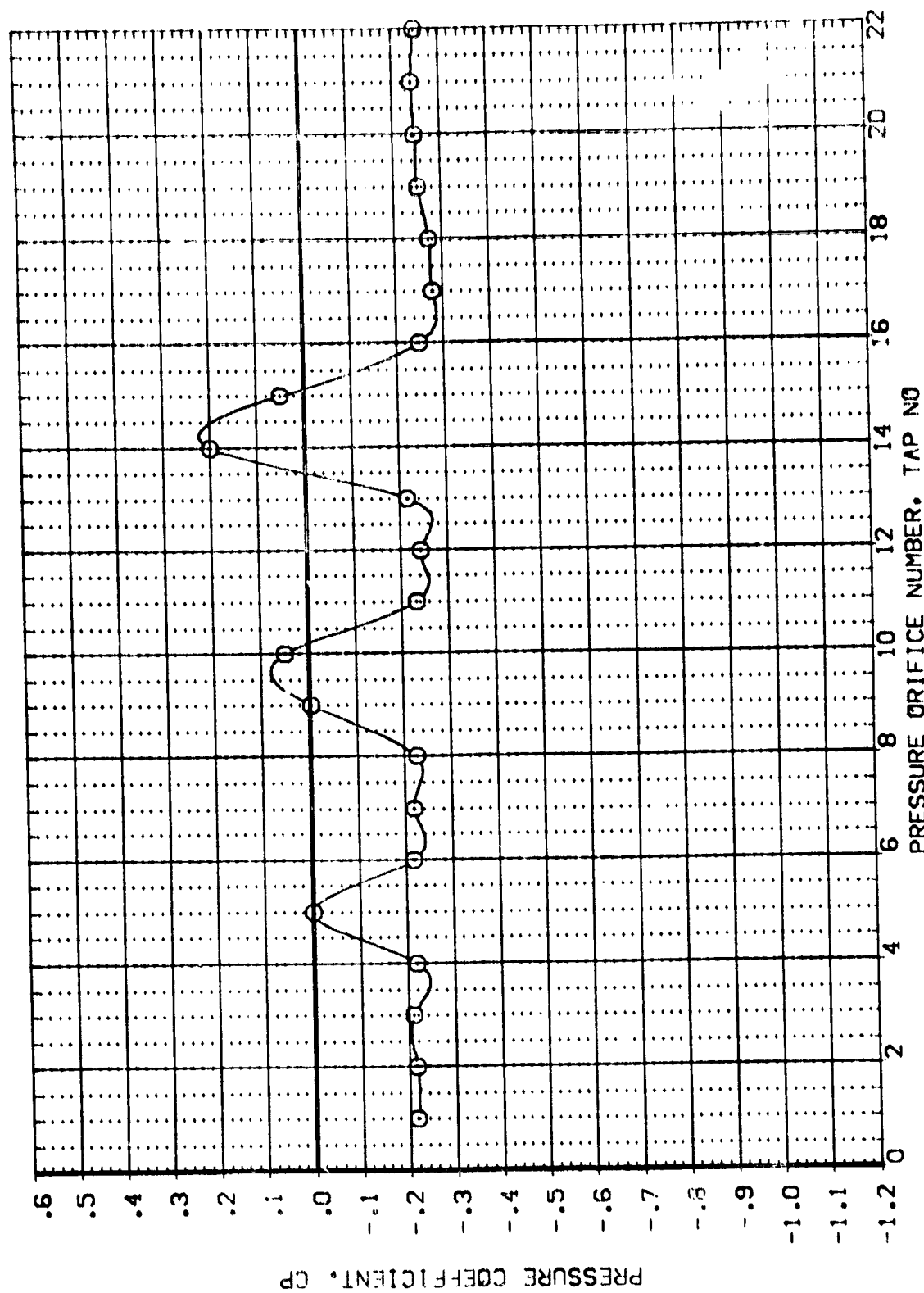


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

IA68 C1 F1 M2(1) + FILLET BASE REGIONS

(RF4308)

SYMBOL
 ○
 ◇

MACH
 .886
 1.210
 1.991

X/L
 1.000

BETA
 -3.930

PARAMETRIC VALUES
 ALPHA
 .000

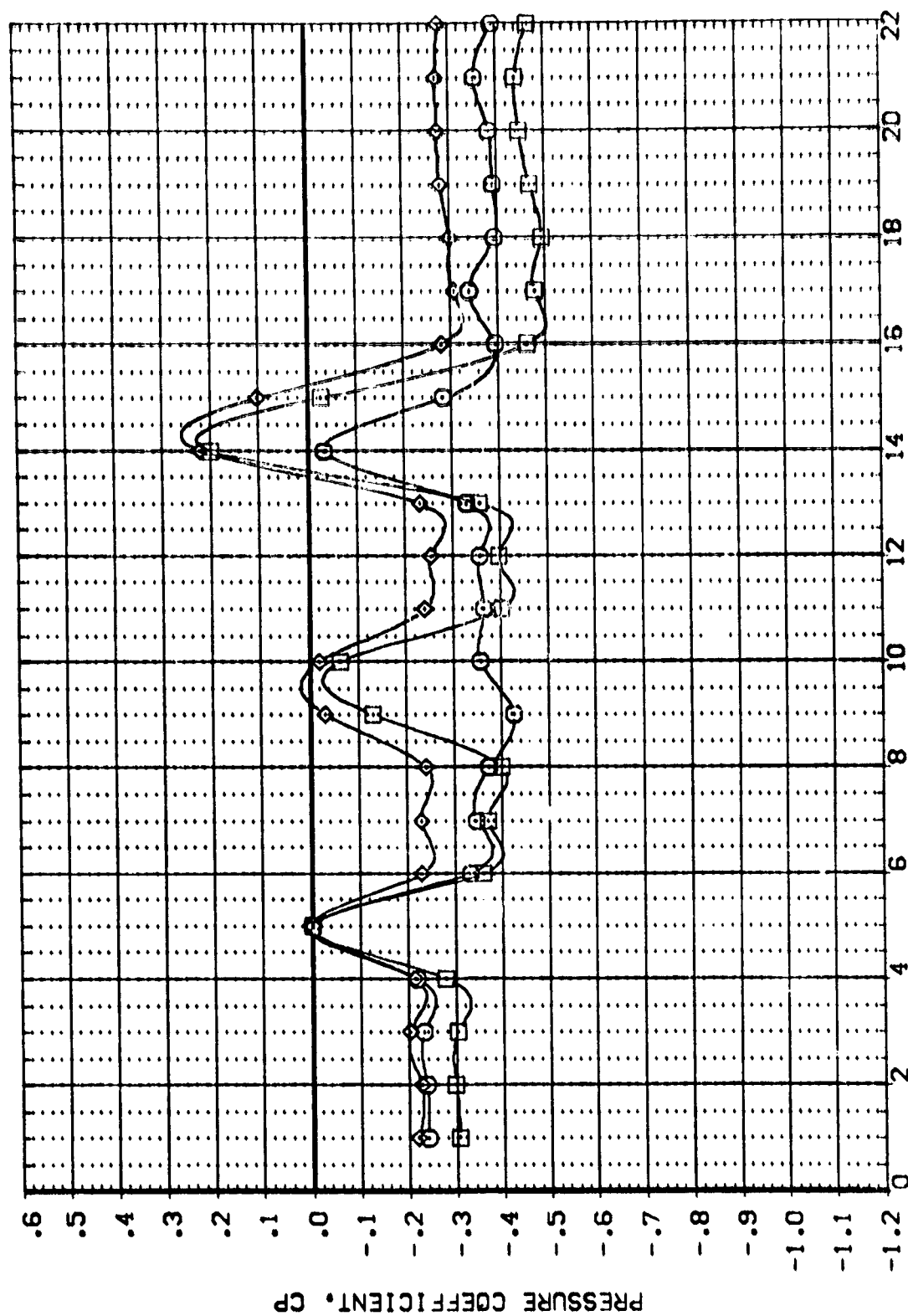


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

LA68 C1 F1 M2(1) + FILLET BASE REGIONS (P4308)

SYMBOL MACH X/L BETA

○ .866 1.000 -1.950
 ◇ 1.210
 ◇ 1.991

APPROX

VALUES

.000

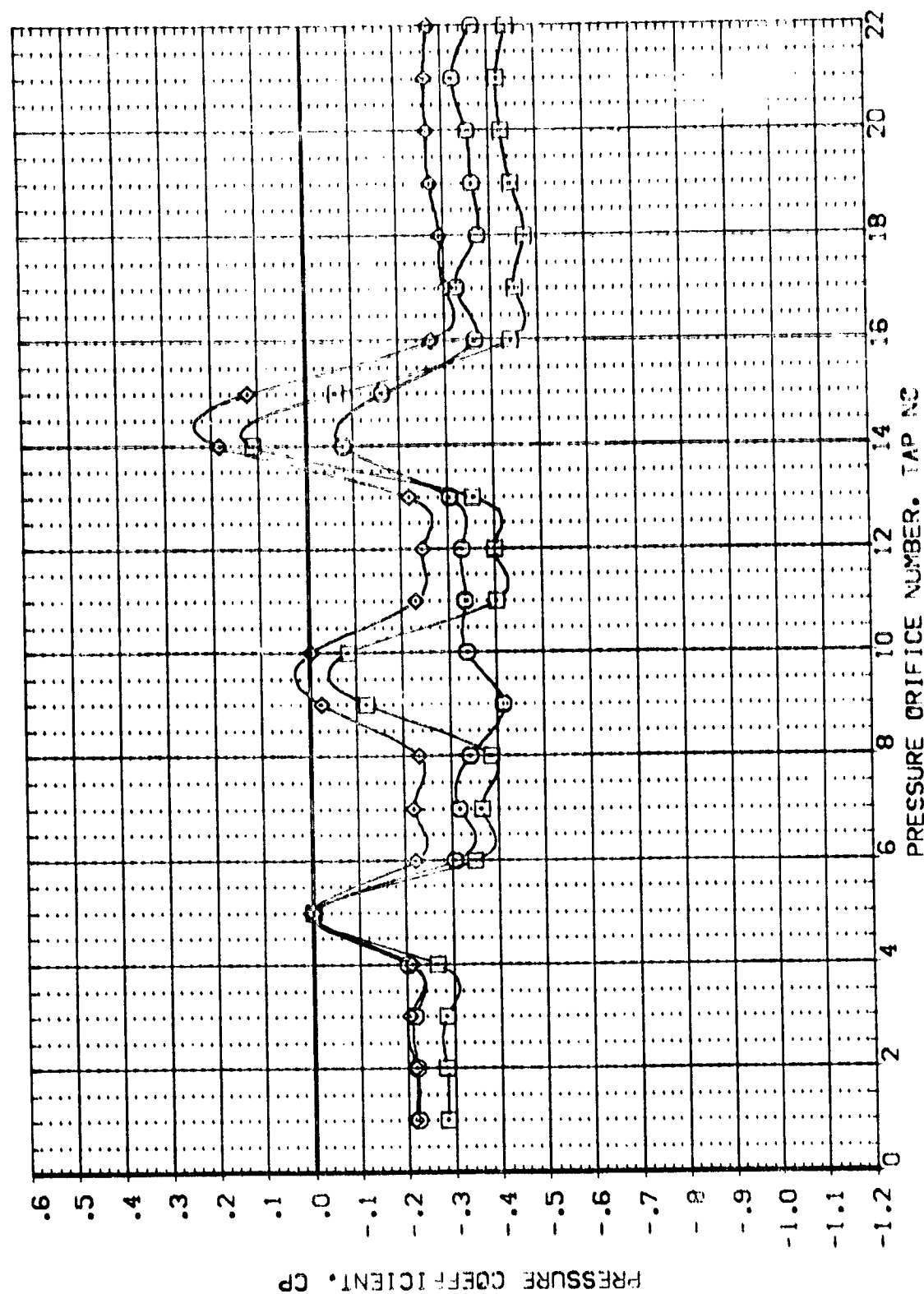


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

:A68 C1 F1 M2(1) + FILLET BASE REGIONS (RF4308)
 MACH .896 X/L 1.000 BETA -.030
 1.210
 SYMBOLS
 PARAMETRIC VALUES
 .000

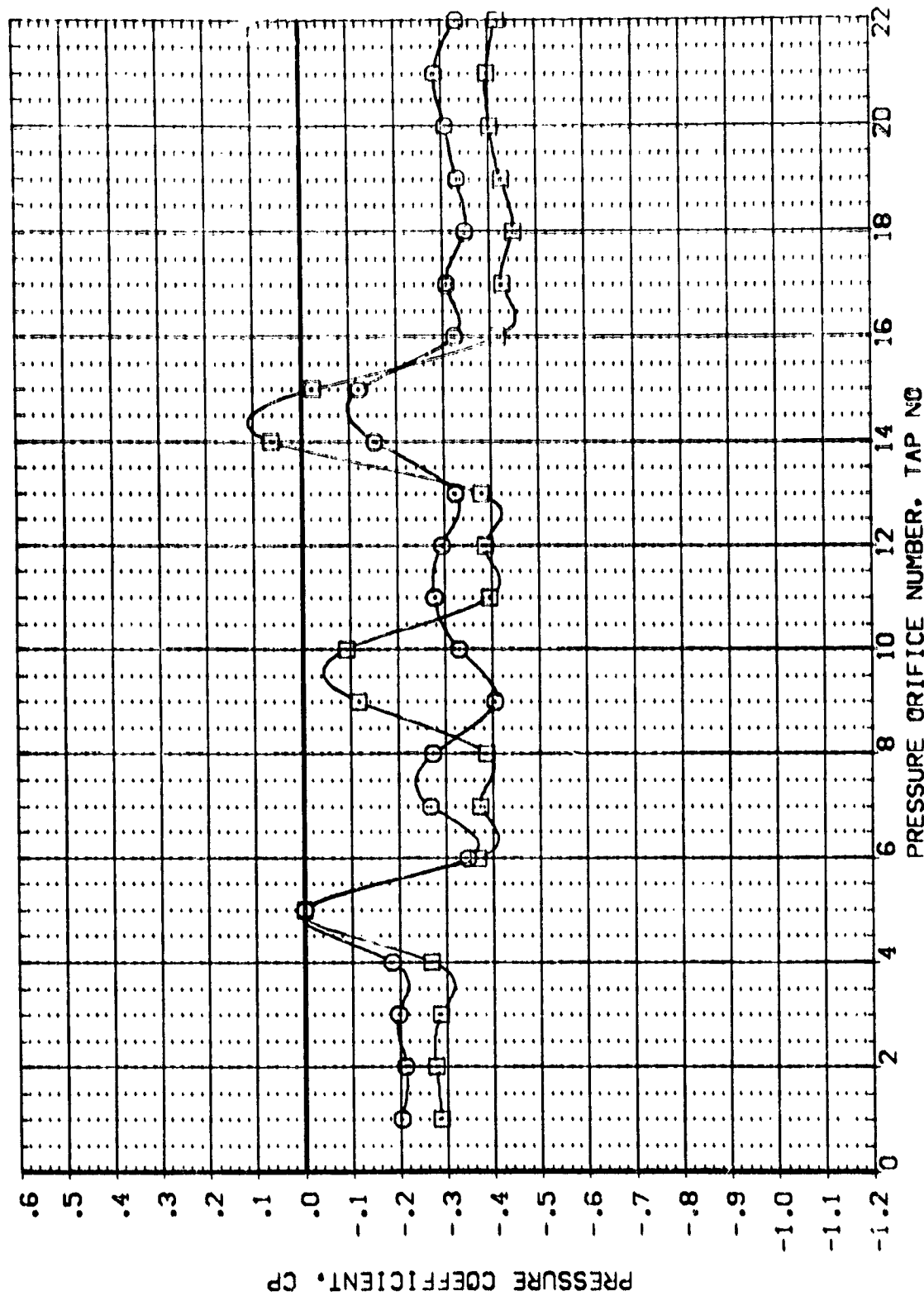


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

1A68 C1 F1 M2(1) + FILLET BASE REGIONS
 125-13080
 SYMBOL MACH X/L BETA
 O 1.991 1.000 .210
 125-13080 1.000

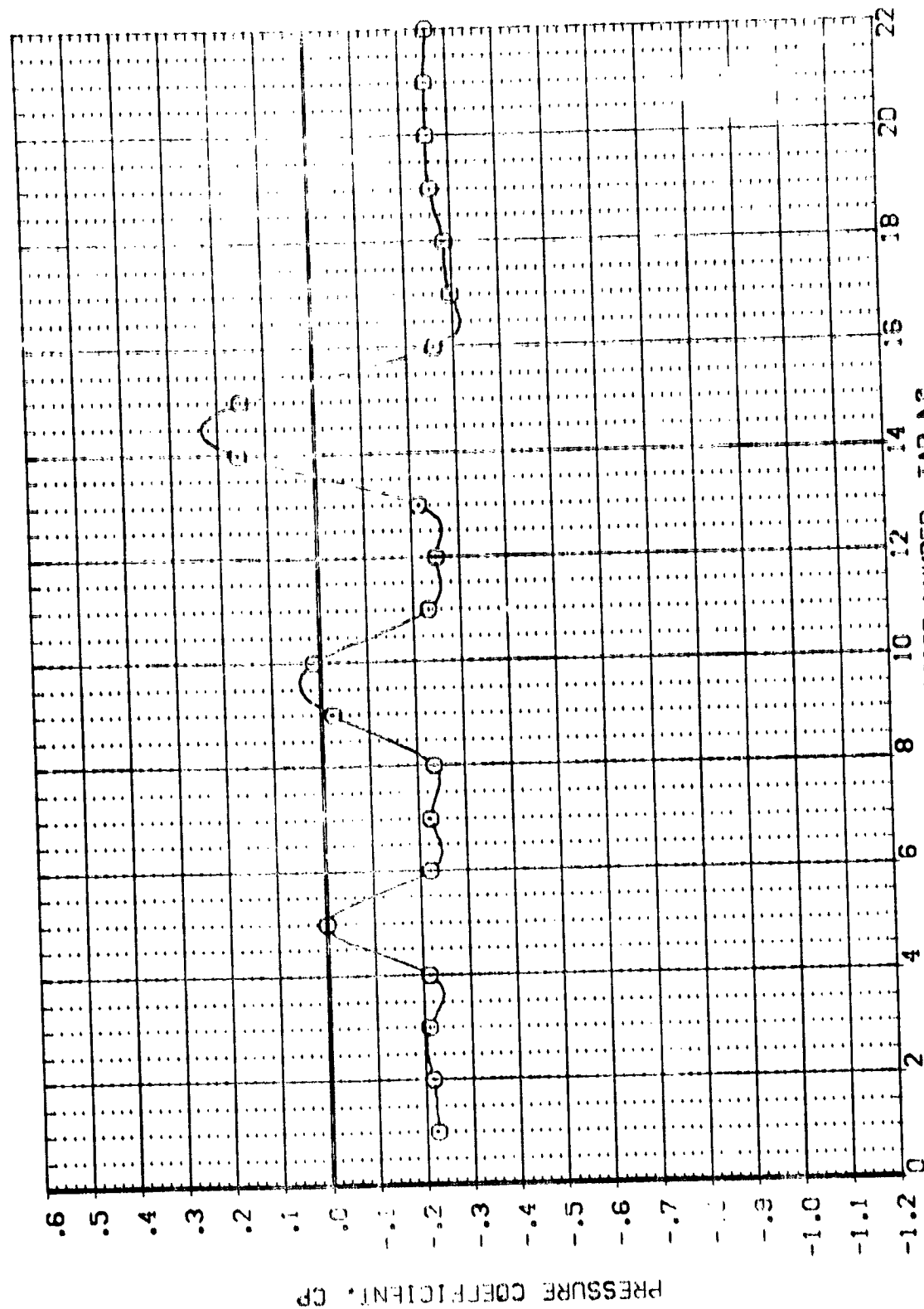


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

1A68 C1 F1 M2(1) + FILLET BASE REGIONS (REF 1308)
 MACH .896 X/L 1.000 BETA 1.880
 SYMBOL O DISTANCE IN INCHES .001

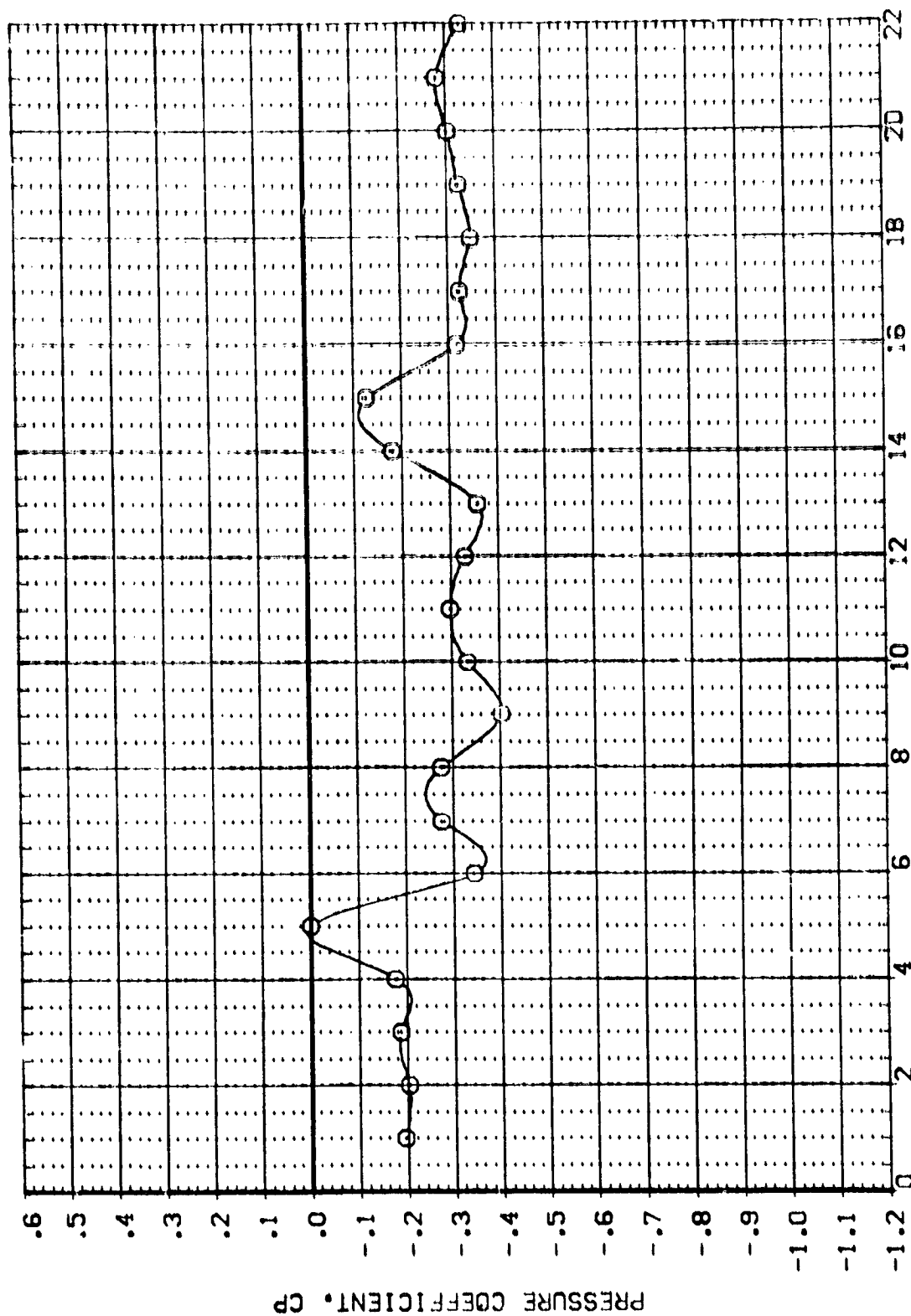


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

(RF4308)

BASE REGIONS

+ FILLET

C: F1 M2(1)

1A68

PARAMETRIC VALUES

.000

ALPHA

BETA 2.130

X/L 1.000

MACH 1.210

1.991

SYMBOL

□

○

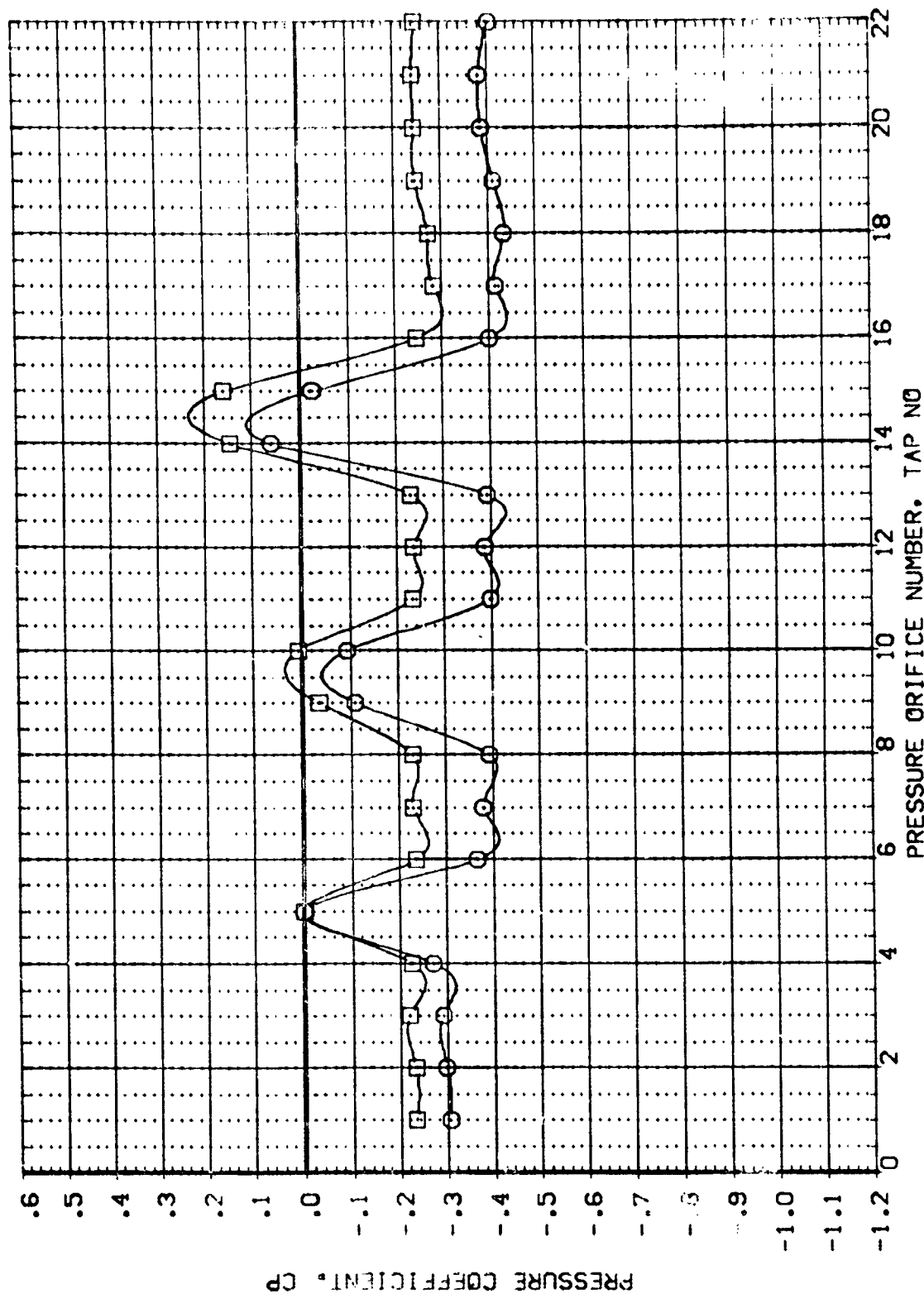


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

IA68 C1 F1 M2(1) + FILLET BASE REGIONS (RF4308)

| | | | | |
|--------|------|-------|-------|-------------------|
| SYMBOL | MACH | X/L | BETA | PARAMETRIC VALUES |
| ○ | .896 | 1.000 | 3.810 | ALPHA .000 |

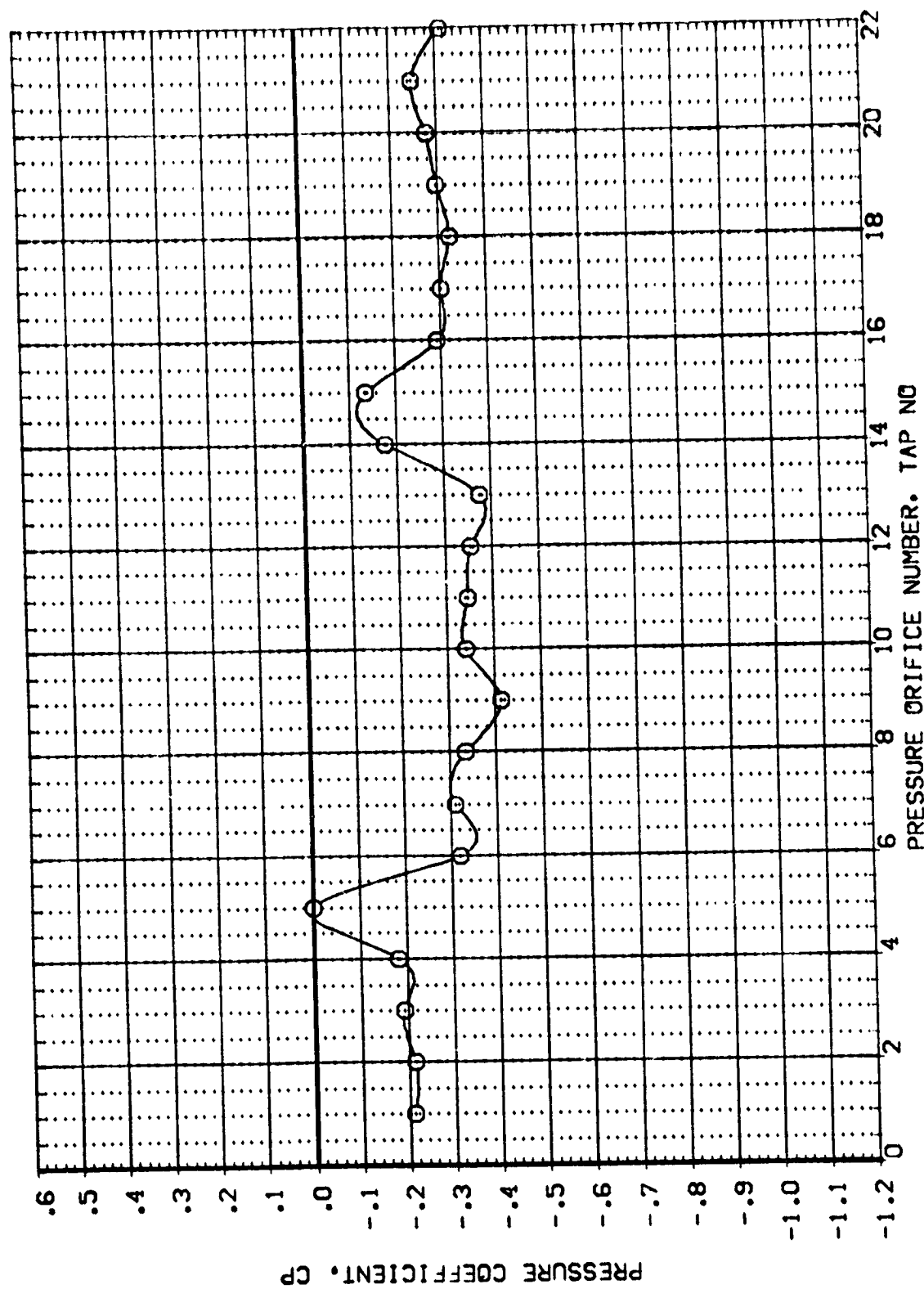


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

1A68 C1 F1 M2(1) + FILLET BASE REGIONS (REF 308)

SYMBOL MACH X/L BETA ALPHA GEOMETRIC VALUES
 1.210 1.000 4.070 .000

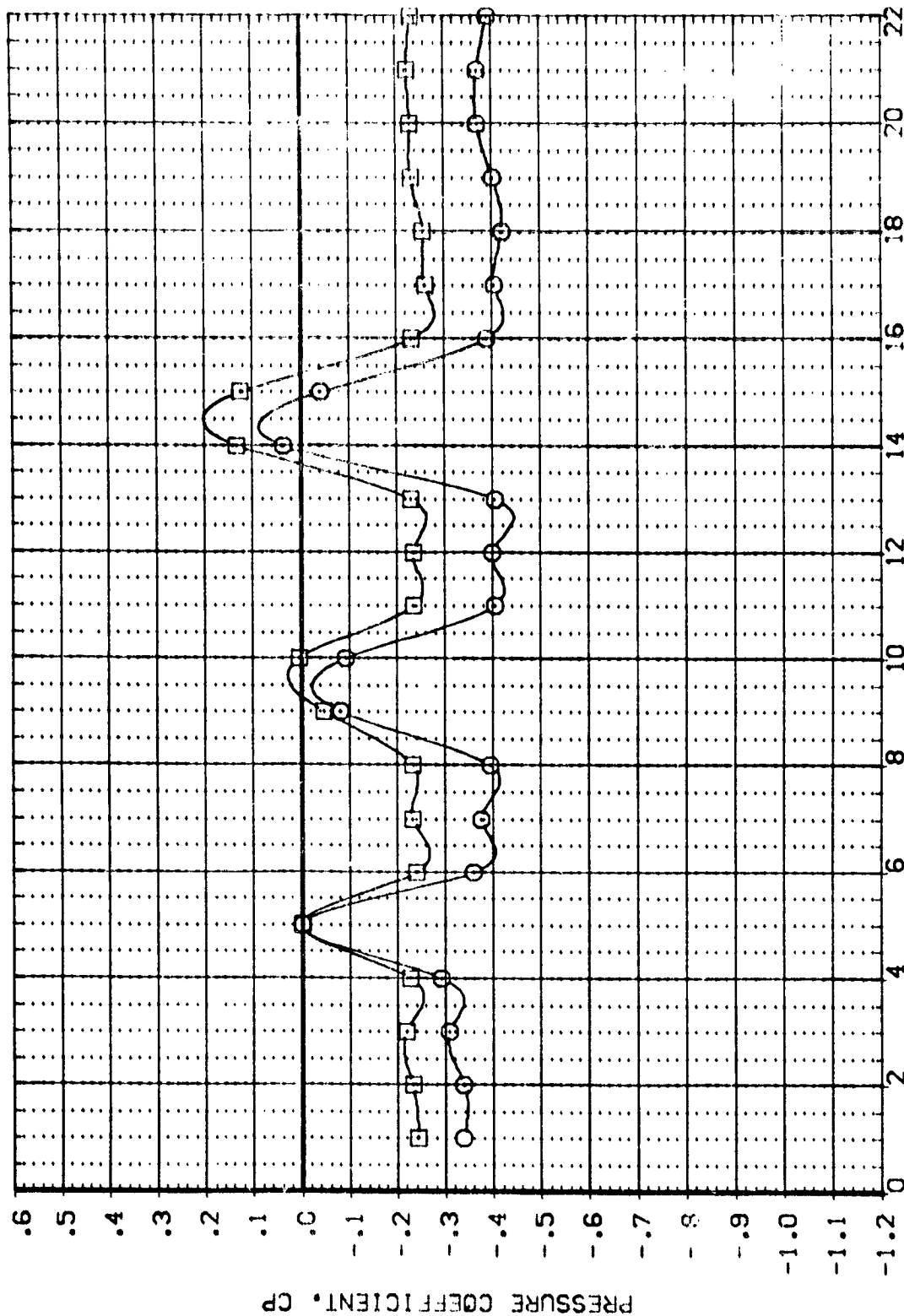


FIG 15 MODEL BASE PRESSURE COEFFICIENTS - M2 STRUT PLUS FILLET

1A68 C1 F1 M3(1) M4(1) BASE REGIONS (REF 4309)
 SYMBOL MACH X/L ALPHA BETA .COO
 ○ .896 1.000 -1.940
 ◇ 1.209
 ◇ 1.503

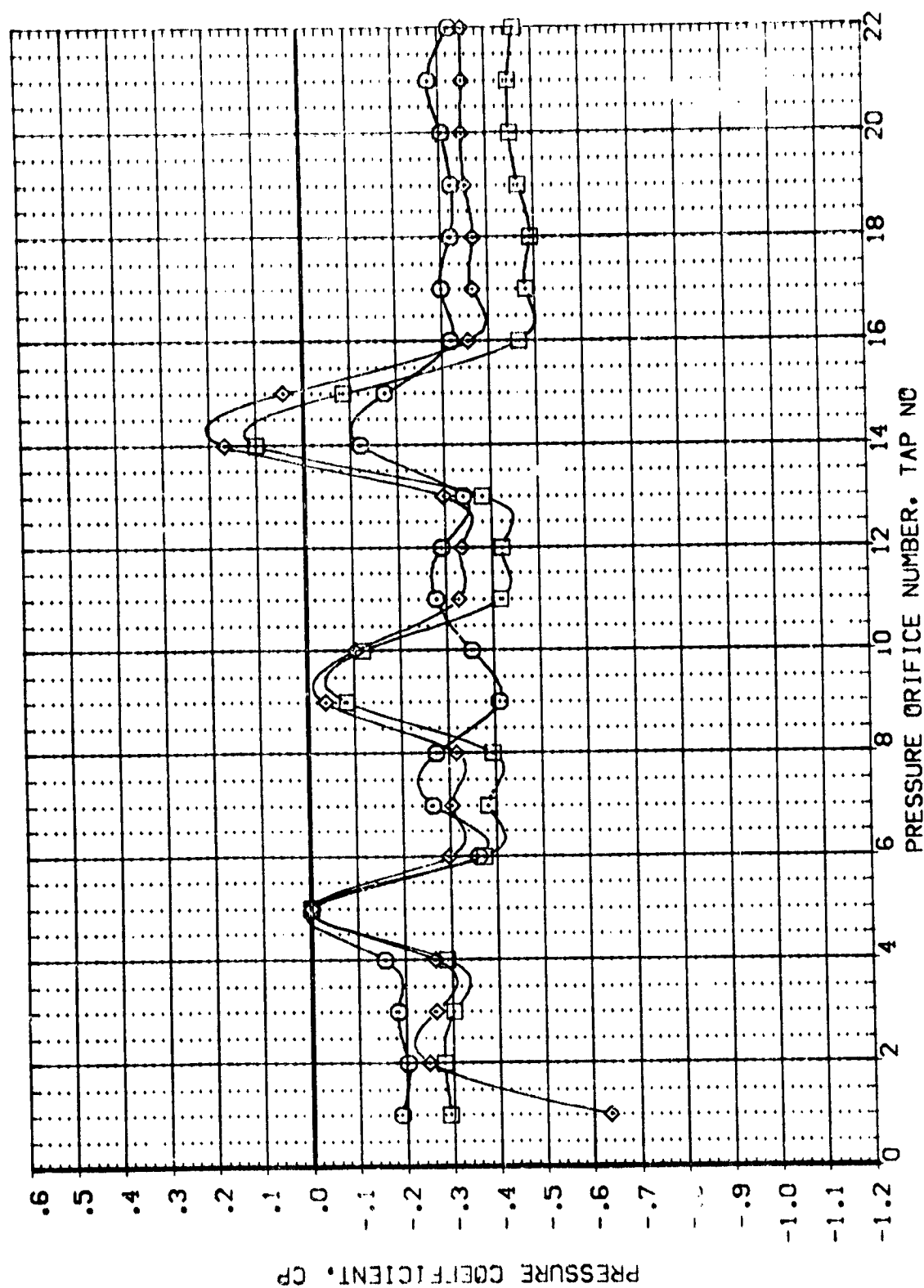


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT

A68 C1 F1 M3(1) M4(1) BASE REGIONS (RF4B09)
 MACH X/L ALPHA BETA
 .896 1.000 .000
 1.209
 1.503

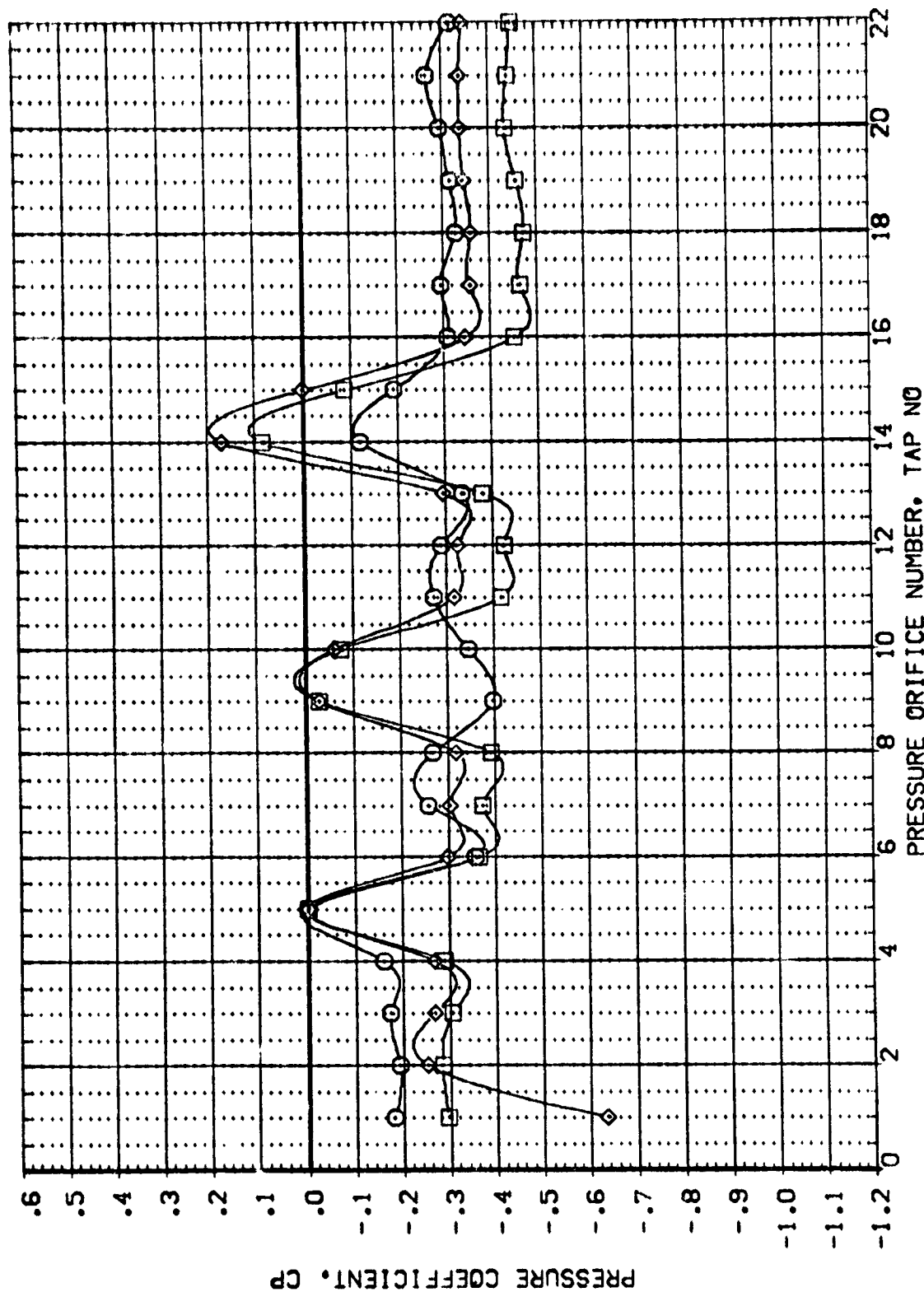


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT

IA68 C1 F1 M3(1) M4(1) BASE REGIONS (RF4309)

SYMBOL MACH X/L ALPHA BETA .000

○ .896 1.000 1.910

□ 1.209

PARAMETRIC VALUES

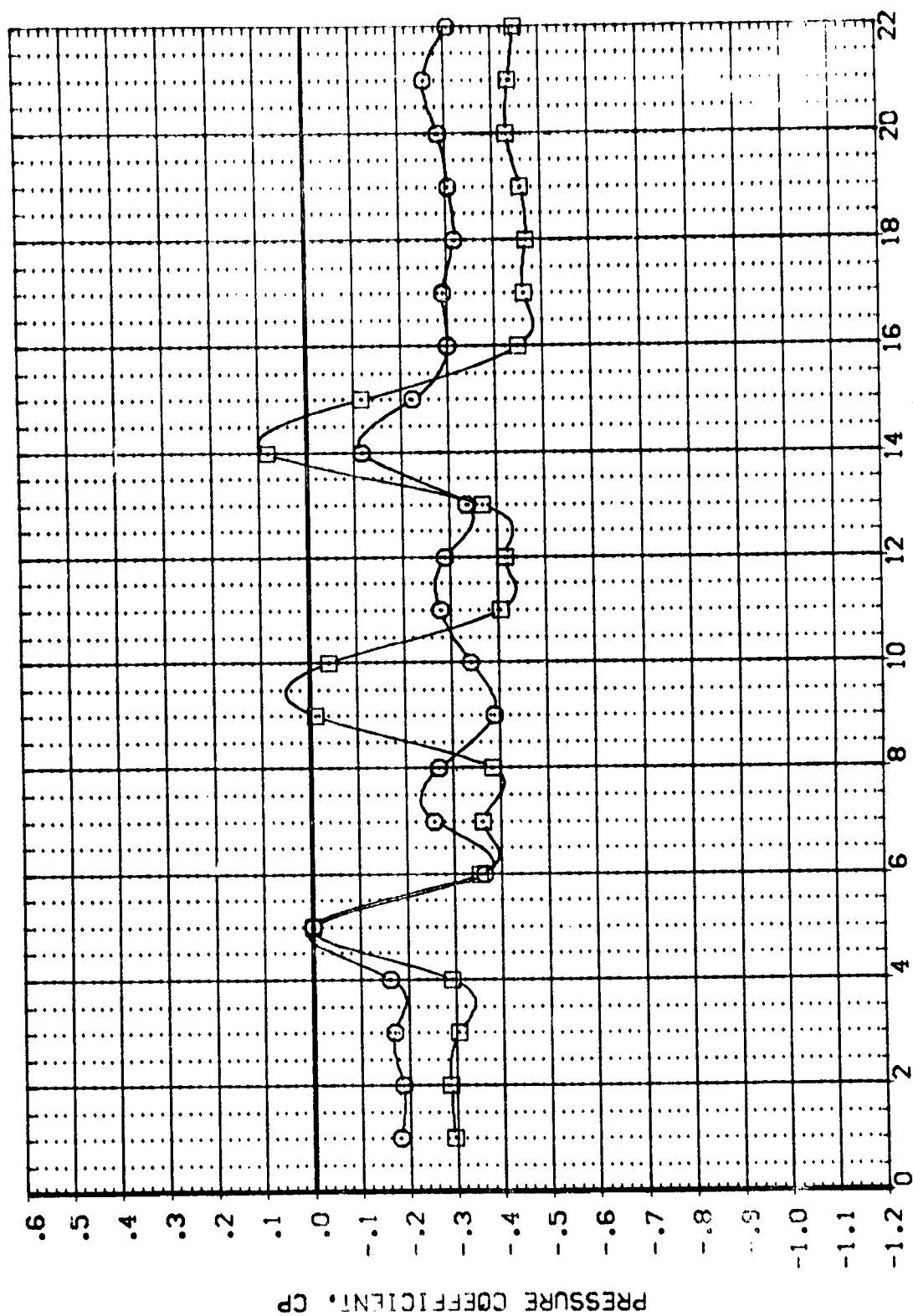


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT



1A68 C1 F1 M3(1) M4(1) BASE REGIONS (RF4309)
 SYMBOL MACH X/L ALPHA .000
 O 1.503 1.000 2.120 BETA

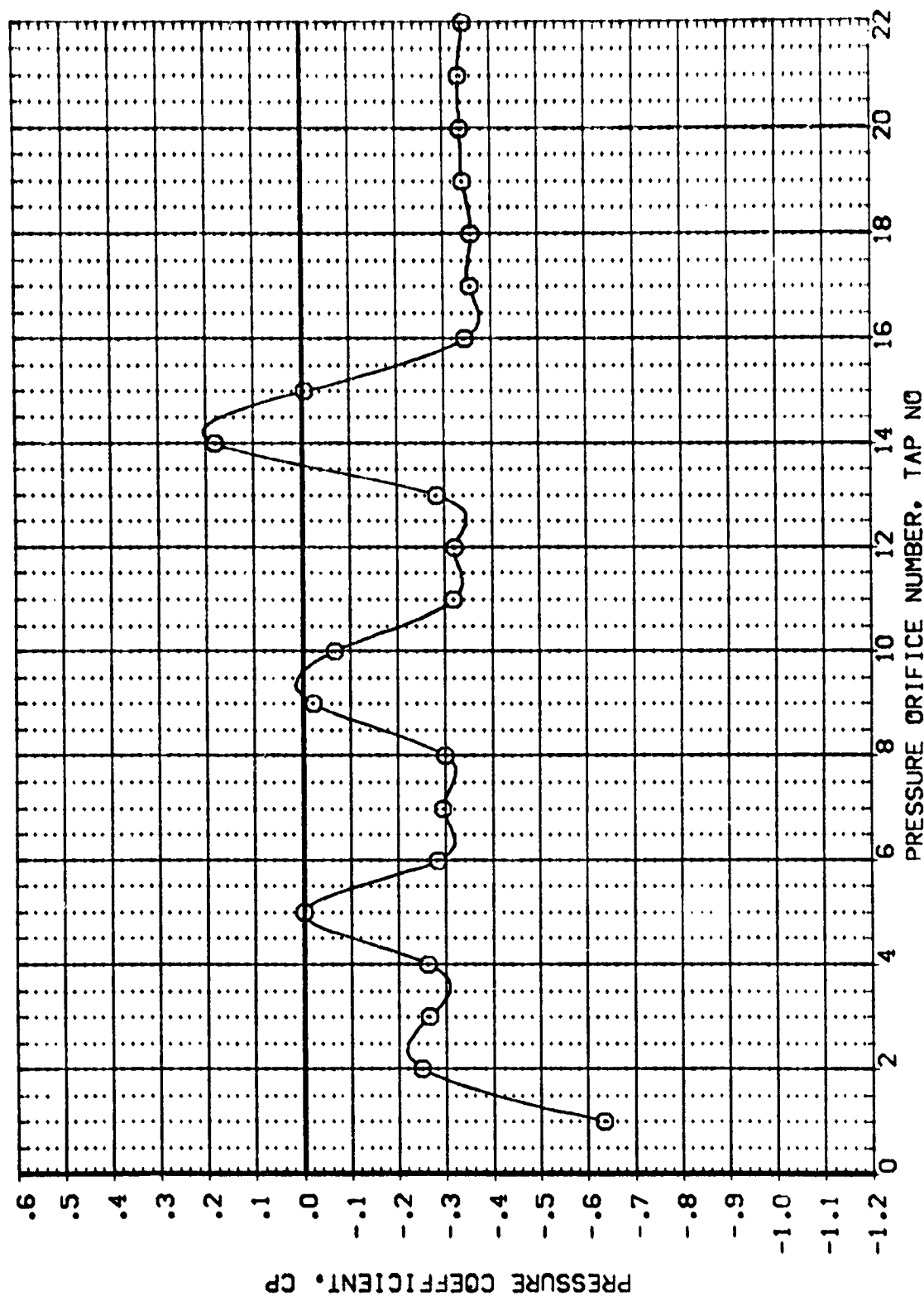


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT

TA68 C1 F1 M3(1) M4(1) BASE REGIONS [R4309]
 MACH X/L ALPHA
 .896 1.000 3.840
 1.209
 1.503
 SYMBOLS: \square \circ \diamond

PARAMETRIC VALUES
 BETA .000

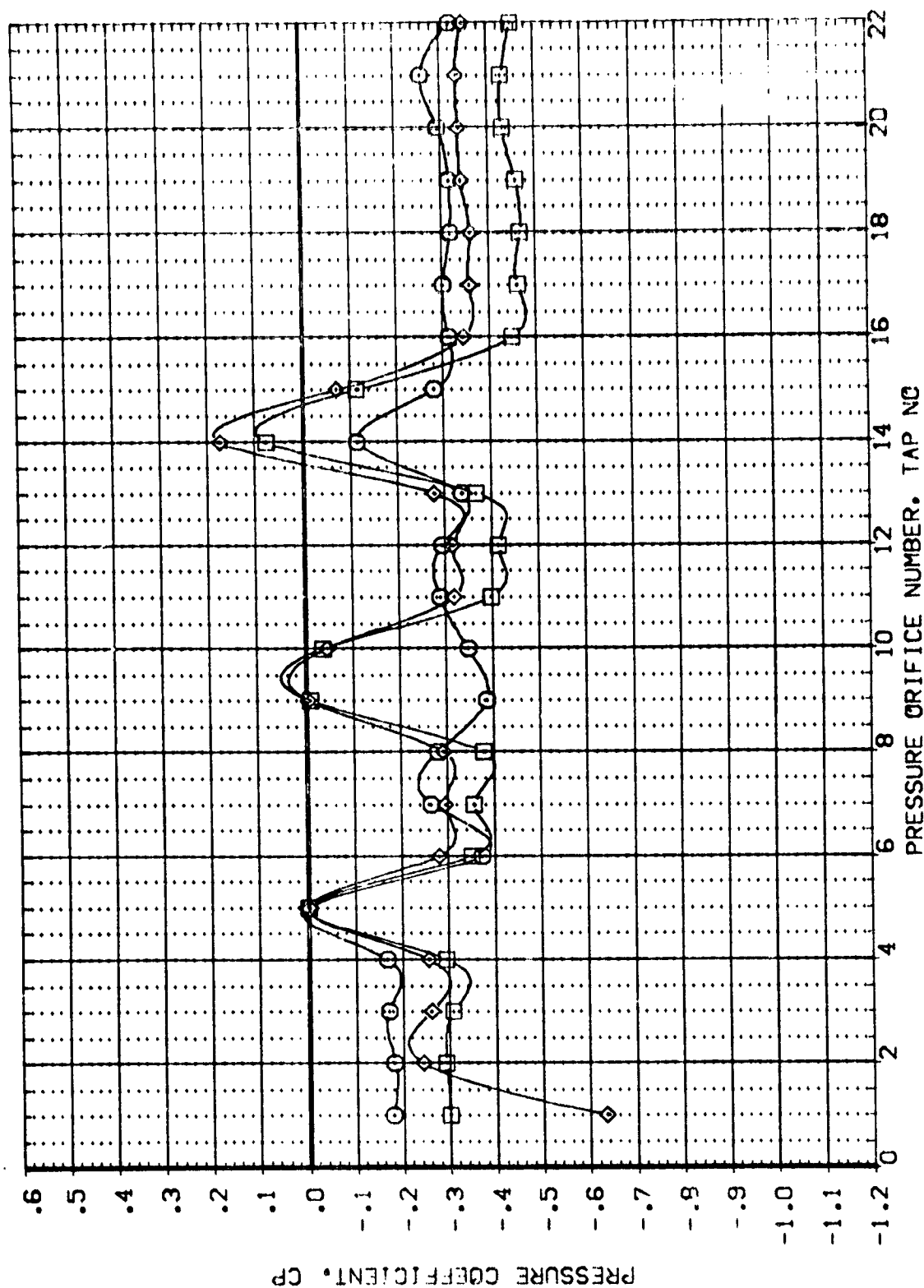


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRU

1A68 C1 F1 M3C1D M4C1D (RF4B100)
 SYMBOL MACH X/L BETA ALPHA .000
 O .897 -3.920
 □ 1.210

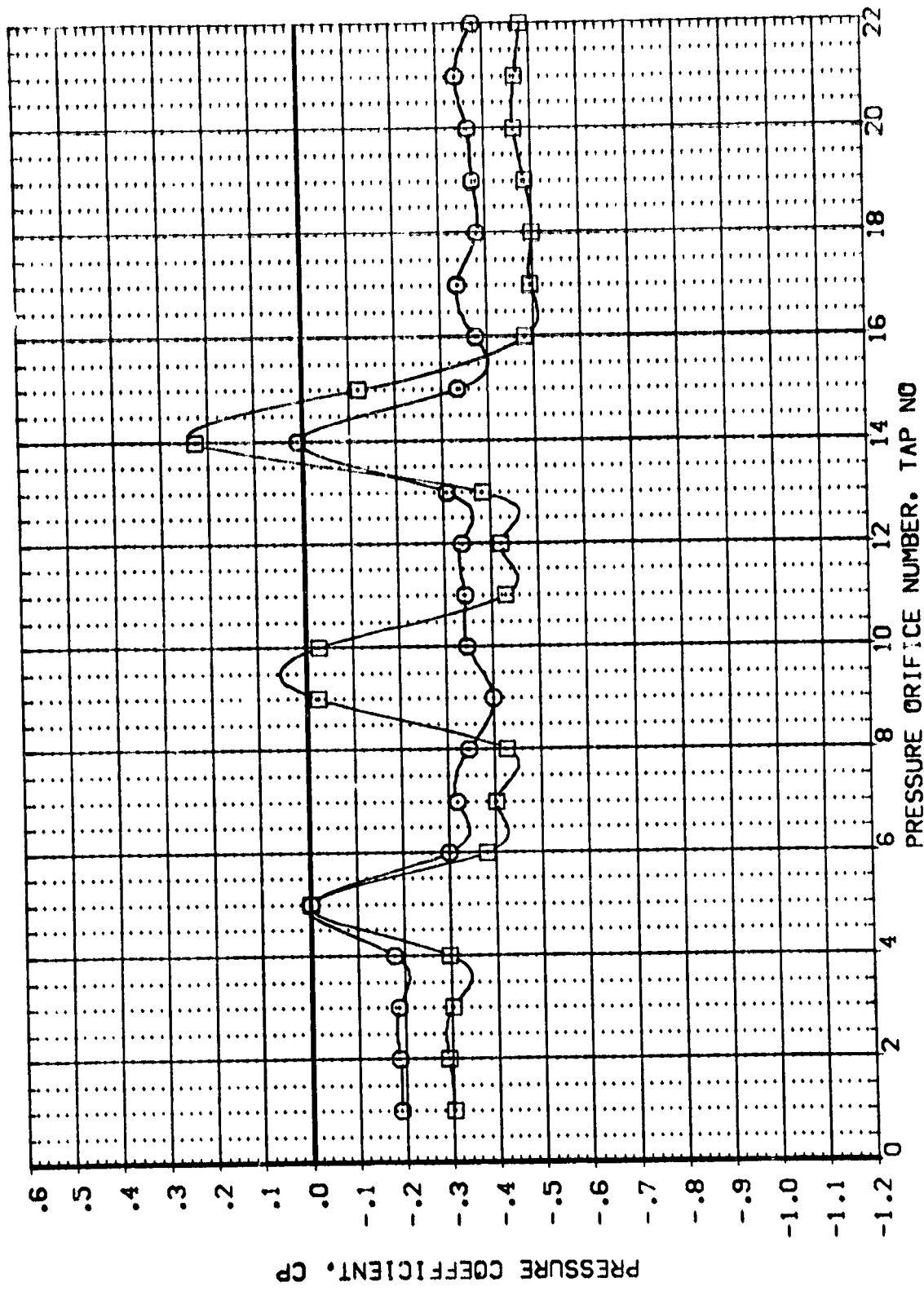


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT

1A68 C: F1 M3(1) M4(1) BASE REGIONS (RF4310)
 SYMBOL MACH X/L BETA PRIME-RIE VALUES
 1.897 1.000 -1.970
 1.210

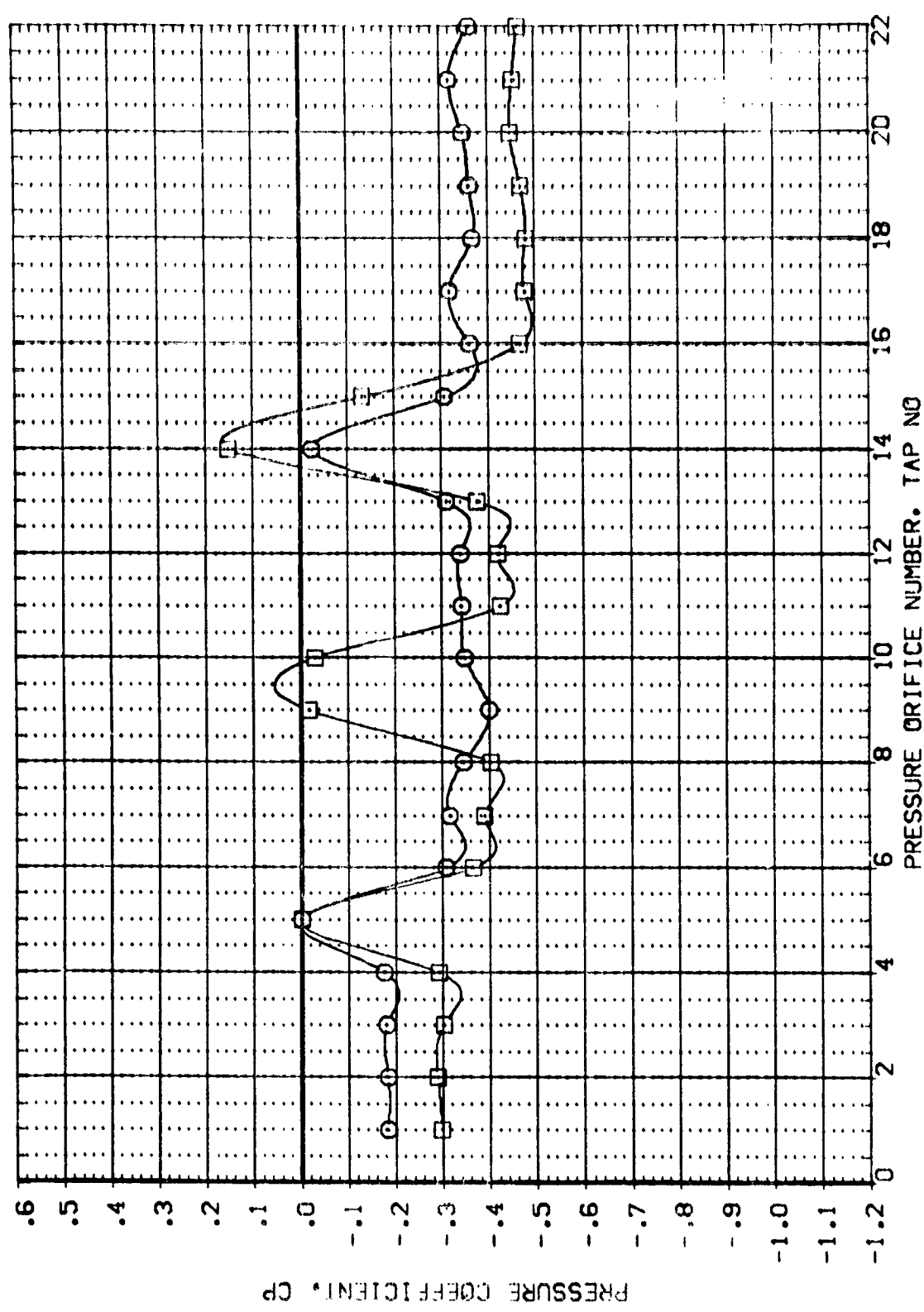


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT

IA68 C1 F1 M3(1) M4(1) BASE REGIONS (RF4310)

SYMBOL MACH X/L BETA

□ .857 1.000 .050

□ 1.210

PARAMETRIC VALUES

ALPHA .000

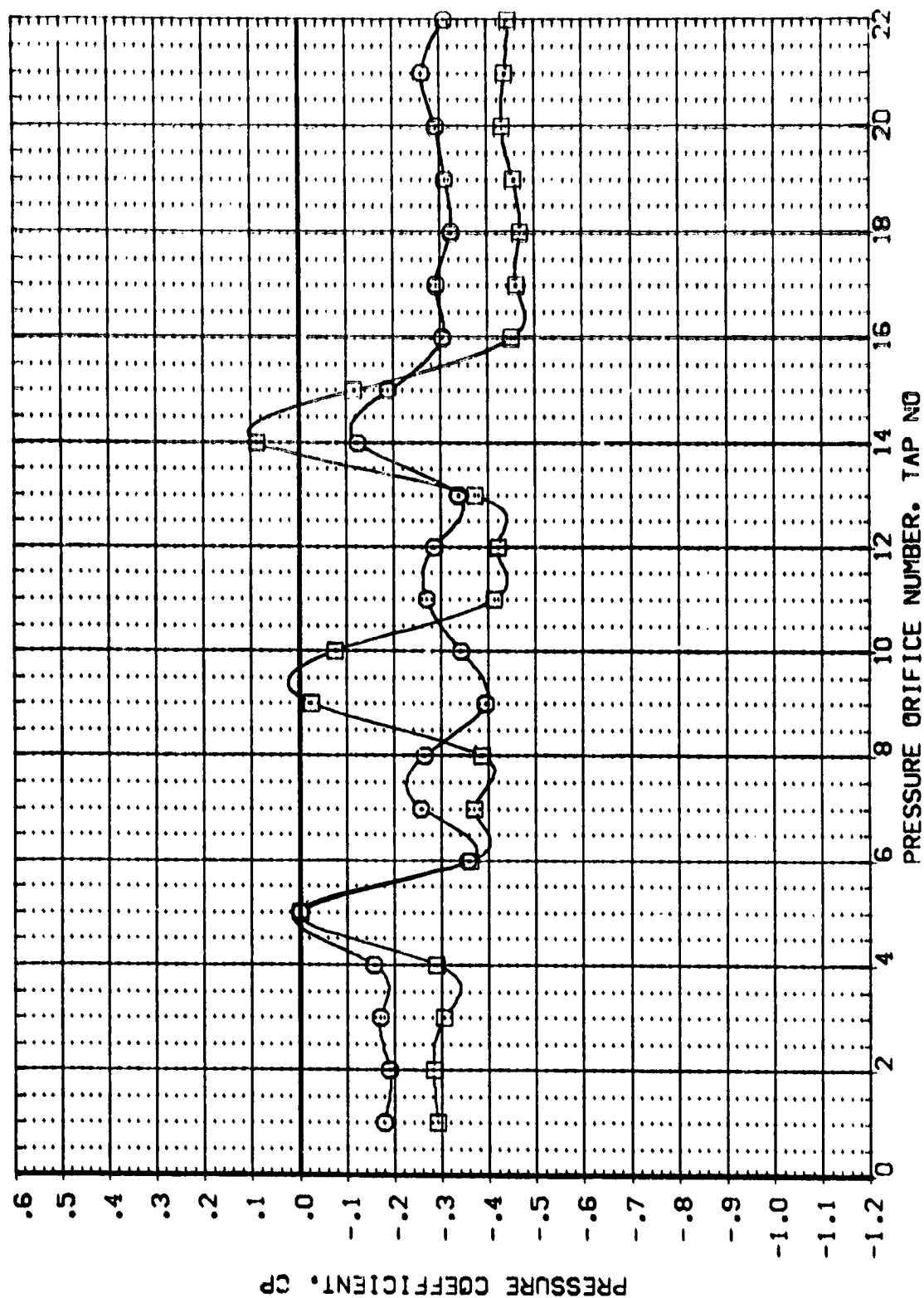


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT

TA68 C1 F1 W3(1) W4(1) BASE REGIONS (REF 4810)
 MACH 1.210 X/L 1.000 BETA 1.620
 SYMBOLS \bigcirc DISCRETE VALUES
 ALPH 1.000

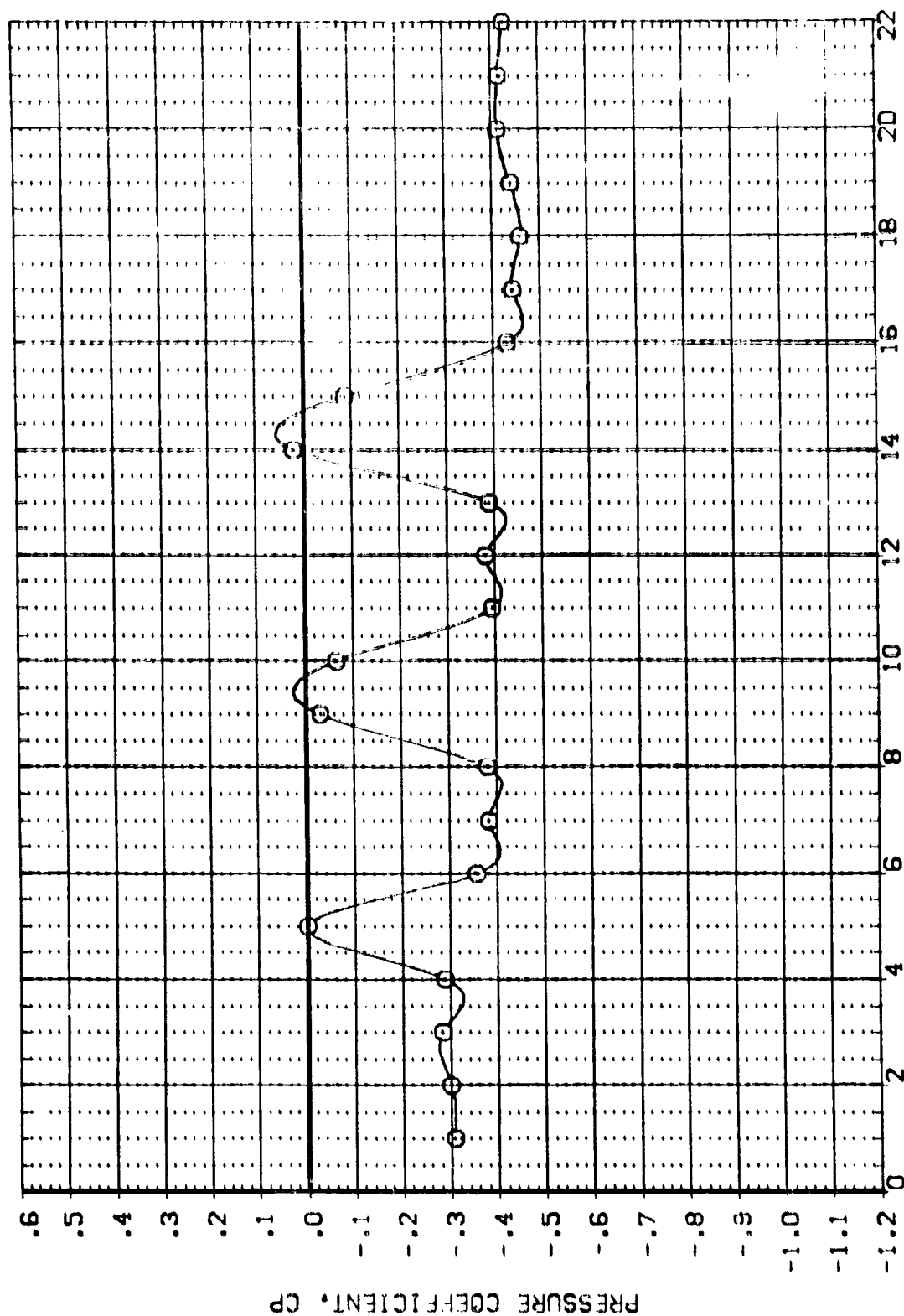


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - W3W4 STRUT



1A68 C1 F1 M3(1) M4(1) BASE REGIONS REF: B3(0)

SYMBOL MACH X/L BETA
 O .697 1.000 1.830

PARAMETRIC VALUES
 .000

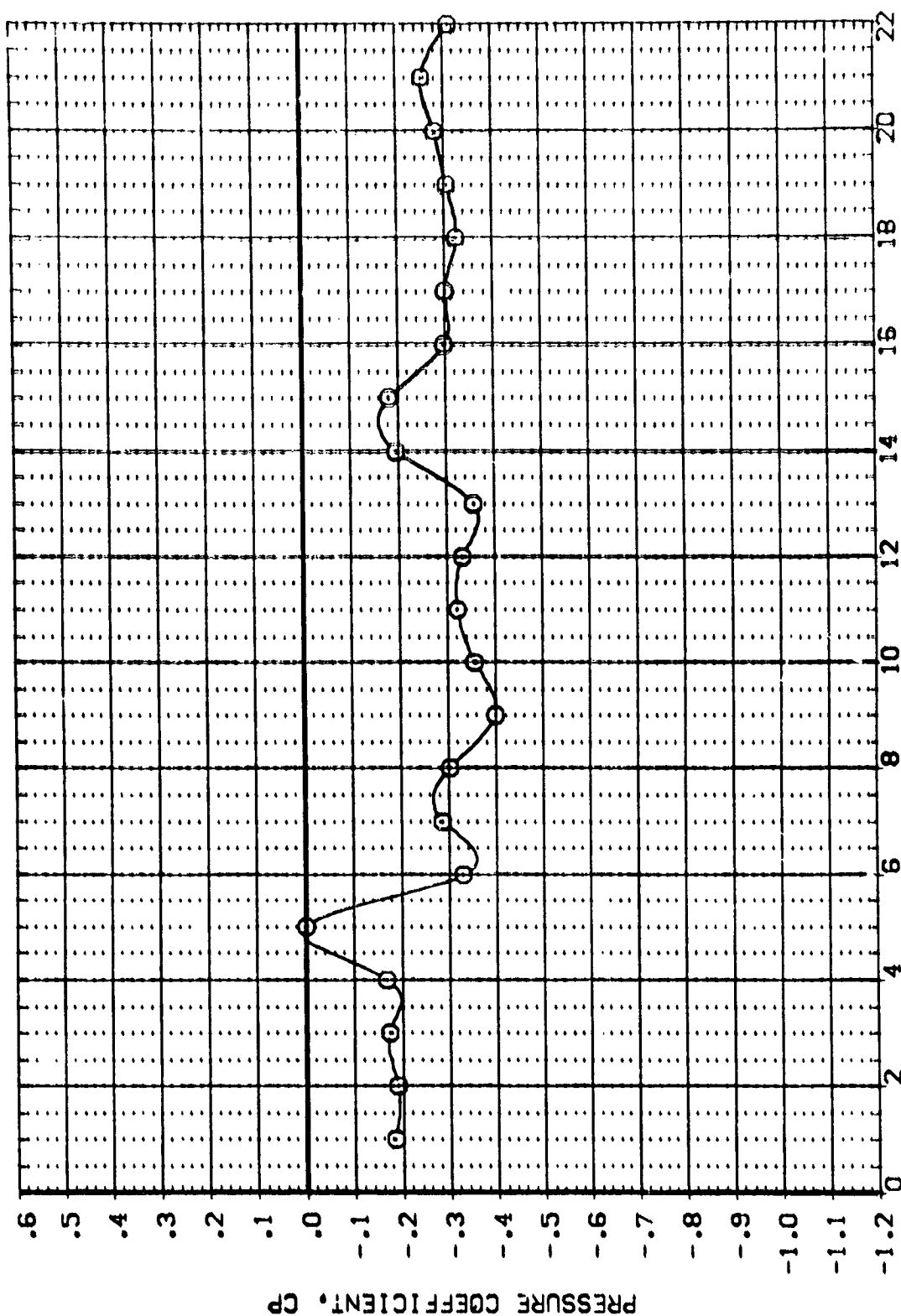


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT

1A68 C1 F1 M3(1) M4(1) BASE REGIONS (REF 4B10)
 SYMBOL MACH X/L BETA ALPHA PARAMETRIC VALUES
 0 .897 1.000 3.840 .000
 1 1.210

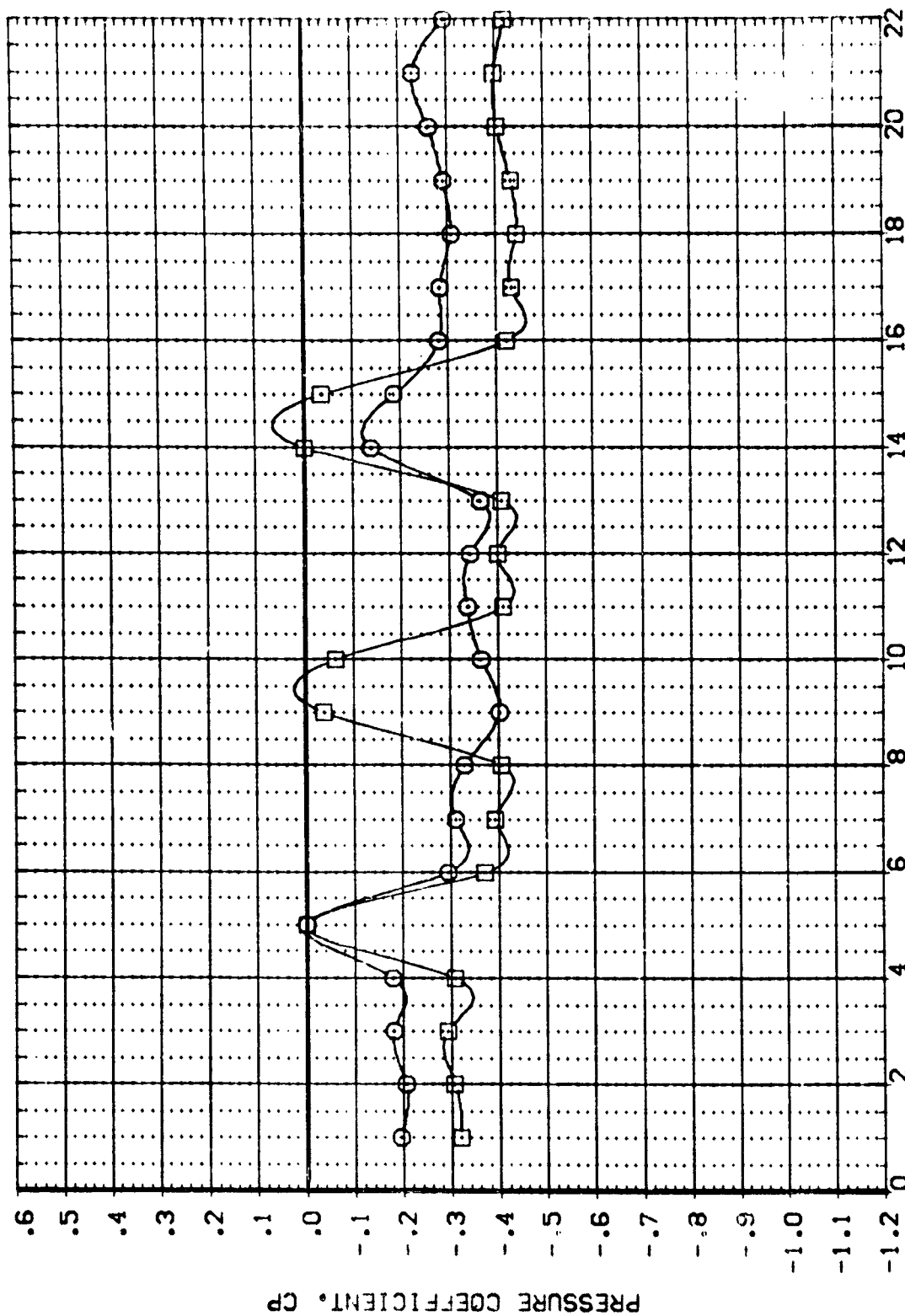


FIG 16 MODEL BASE PRESSURE COEFFICIENTS - M3M4 STRUT

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[R4U06] [A68 C1 F1 M2(1)]

[R4U12] [A68 C1 F1 M2(1)]

[R4L06] [A68 C1 F1 M2(1)]

[R4L12] [A68 C1 F1 M2(1)]

BETA

UPPER WING SURFACE .000

UPPER WING SURFACE .000

LOWER WING SURFACE .000

LOWER WING SURFACE .000

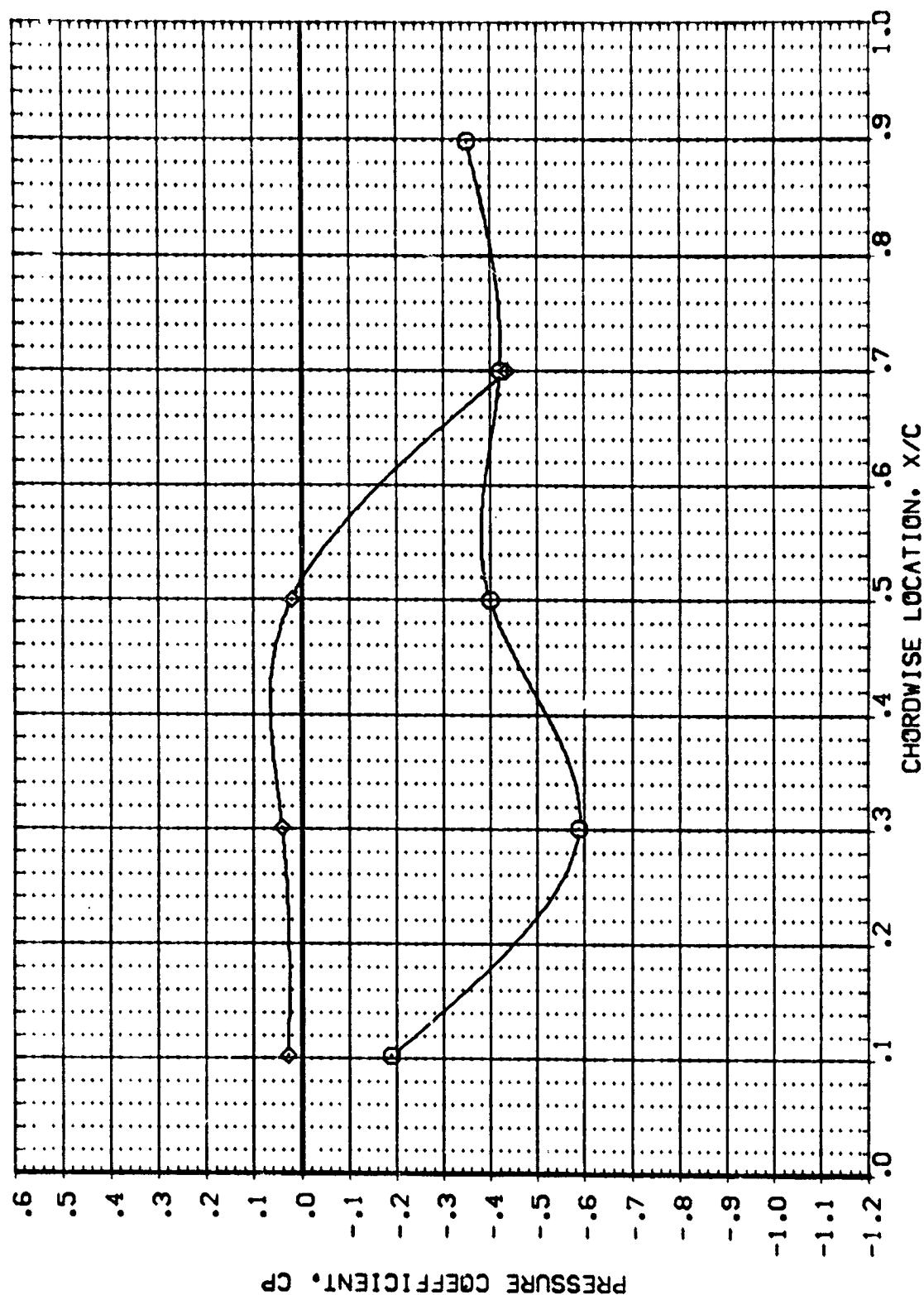


FIG 17 REPEATABILITY - WING CHORDWISE PRESSURE COEFFICIENT

MACH = .896 ALPHA = .000 2Y/B = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R4-05) Q 1A88 C1 F1 M2(1)
 (R4-12) Q 1A88 C1 F1 M2(1)
 (R4-06) Q 1A88 C1 F1 M2(1)
 (R4-12) Q 1A88 C1 F1 M2(1)

BETA
 UPPER WING SURFACE .000
 UPPER WING SURFACE .000
 LOWER WING SURFACE .000
 LOWER WING SURFACE .000

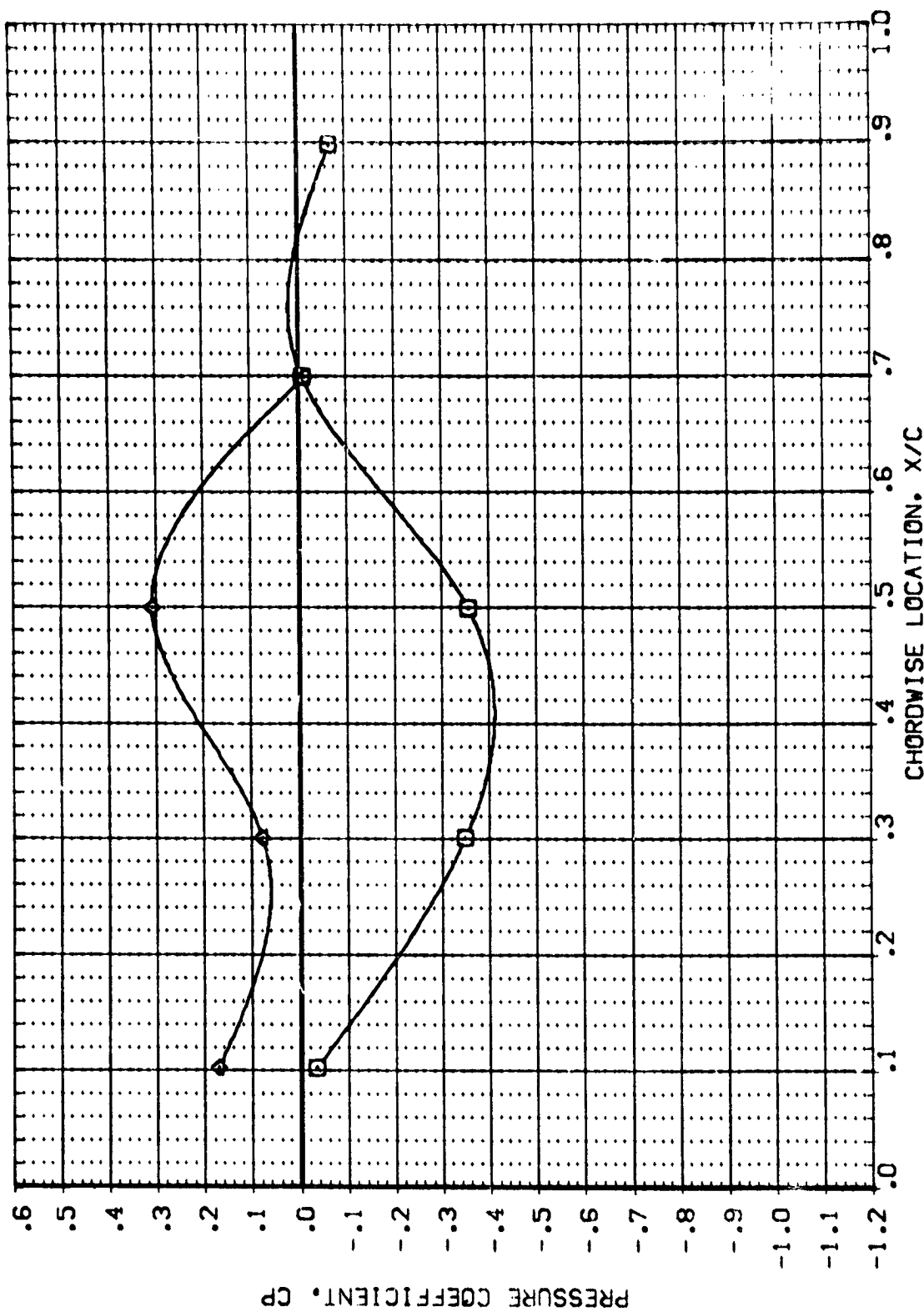


FIG 17 REPEATABILITY - WING CHORDWISE PRESSURE COEFFICIENT

MACH = 1.223 ALPHA = .000 2Y/B = .500



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [R4L06] Q [A68 C] F1 M2[1]
 [R4L12] X [A68 C] F1 M2[1]
 [R4L06] [A68 C] F1 M2[1]
 [R4L12] [A68 C] F1 M2[1]

BETA
 UPPER WING SURFACE .000
 UPPER WING SURFACE .000
 LOWER WING SURFACE .000
 LOWER WING SURFACE .000

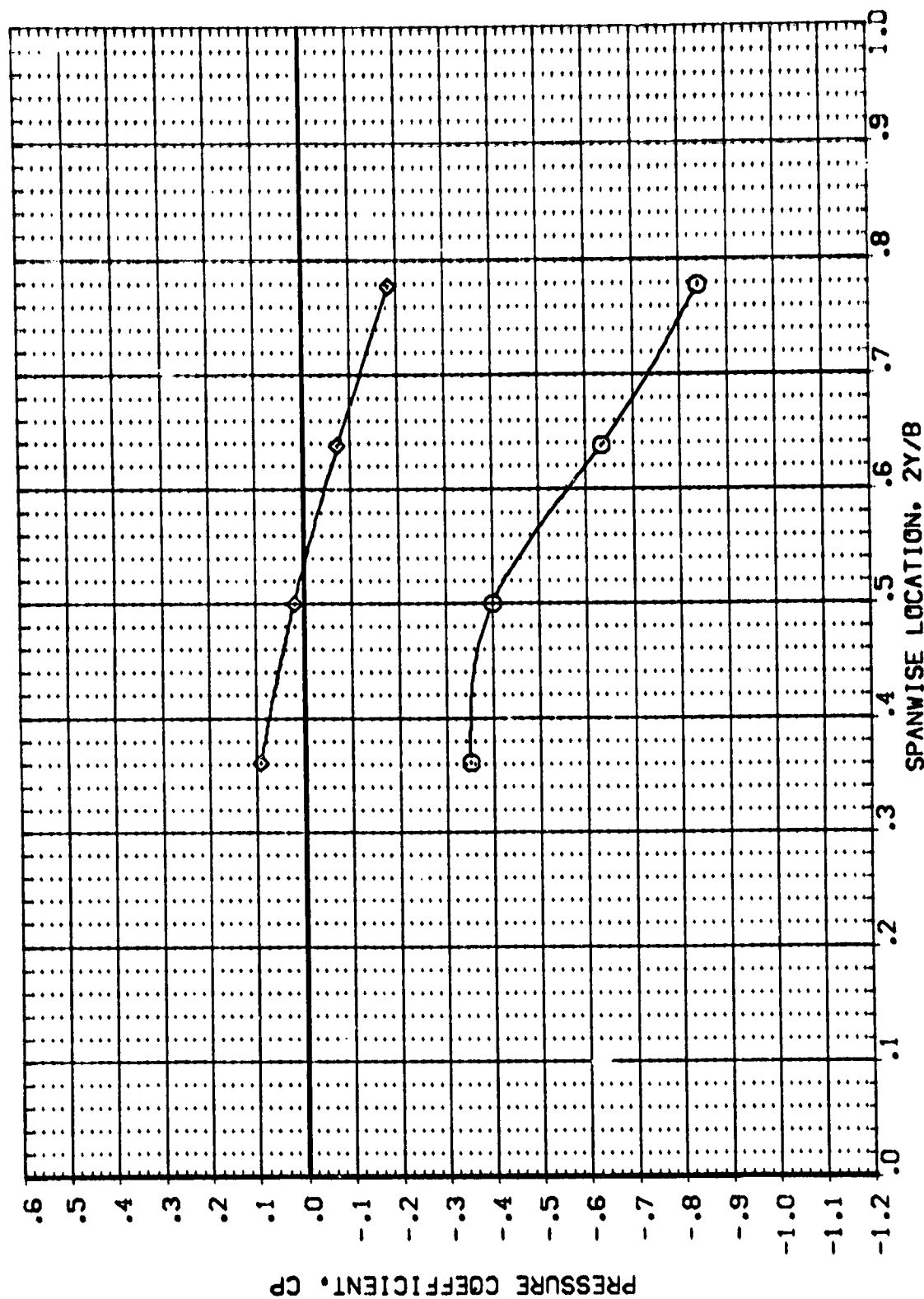


FIG 18 REPEATABILITY - WING SPANWISE PRESSURE COEFFICIENT

MACH = .896 ALPHA = .000 X/C = .500

DATA SET SYMBOL CONFIGURATION DESCRIPTION

| | | |
|---|------|-------------|
| Q | 1A68 | C1 F1 M2(1) |
| X | 1A68 | C1 F1 M2(1) |
| | 1A68 | C1 F1 M2(1) |
| | 1A68 | C1 F1 M2(1) |

BETA

| | |
|--------------------|------|
| UPPER WING SURFACE | .000 |
| UPPER WING SURFACE | .000 |
| LOWER WING SURFACE | .000 |
| LOWER WING SURFACE | .000 |

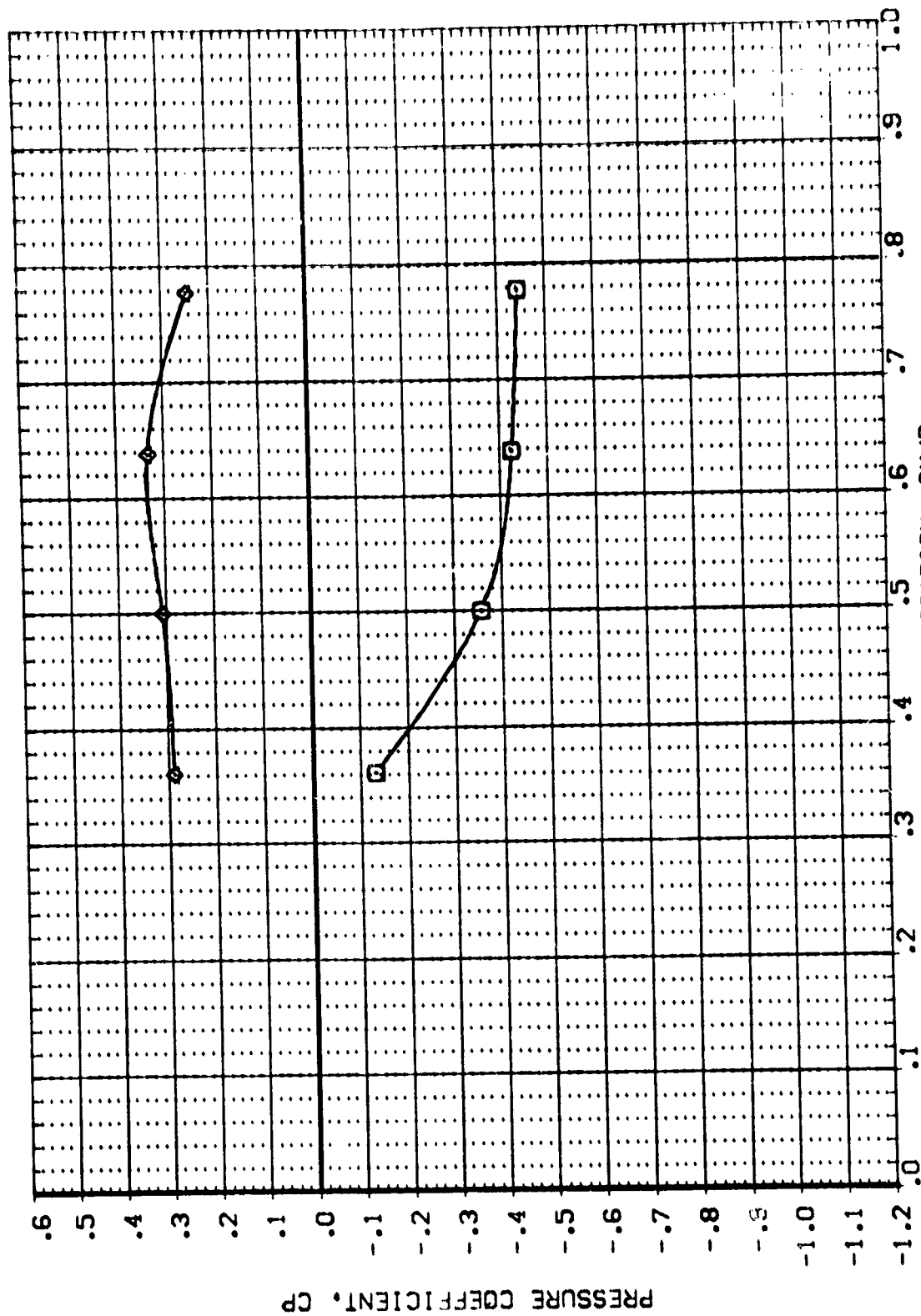


FIG 18 REPEATABILITY - WING SPANWISE PRESSURE COEFFICIENT

PAGE 350

MACH = 1.223 ALPHA = .000 X/C = .500



DATA SET SYMBOL: Q
 CONFIGURATION DESCRIPTION: [A68 C1 F1 M2(1)]
 [A68 C1 F1 M2(1)]
 BASE REGIONS
 BASE REGIONS

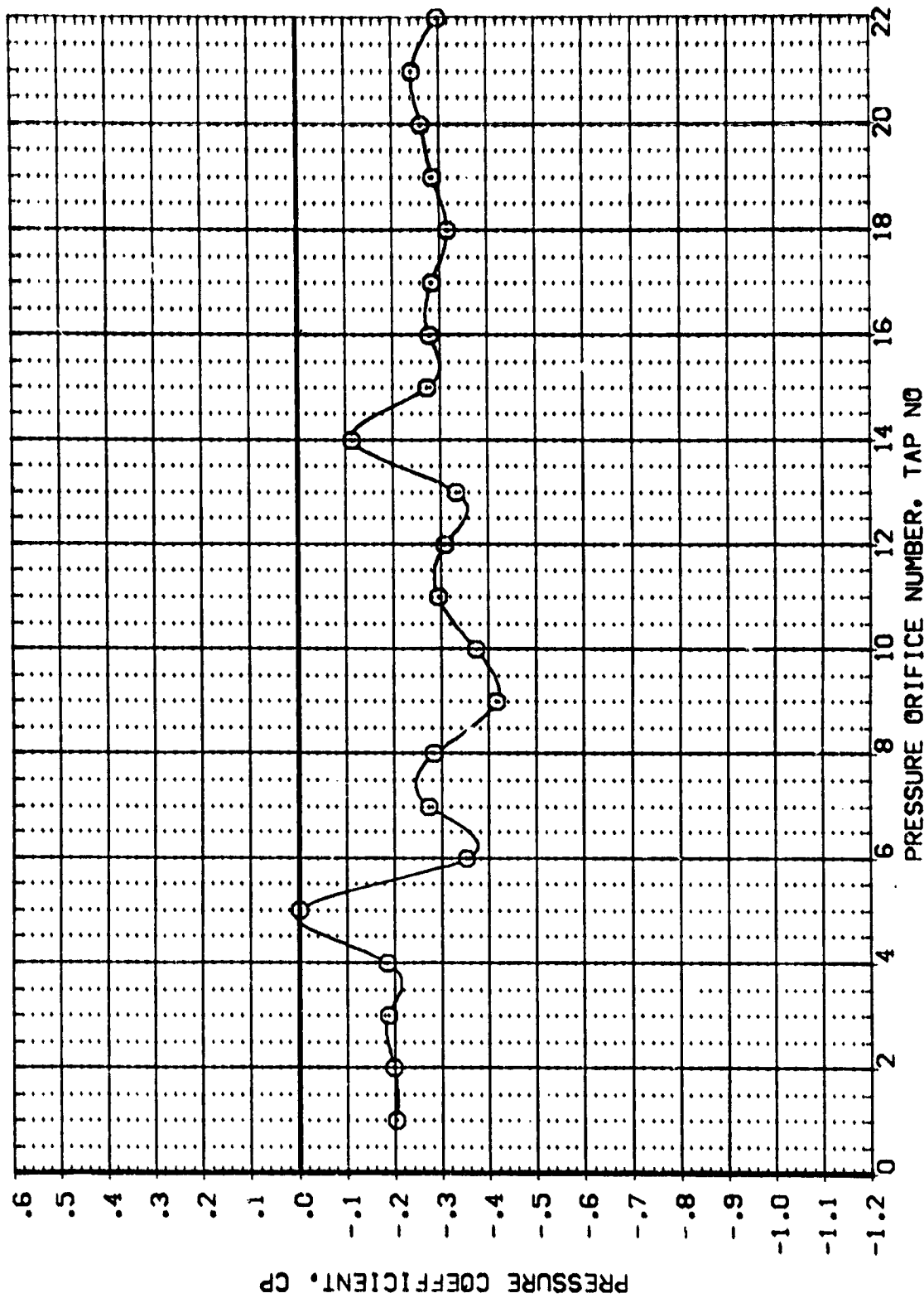


FIG 19 REPEATABILITY - BASE PRESSURES

MACH = .896 ALPHA = .000 X/L = 1.000

BASE REGIONS
BASE REGIONS

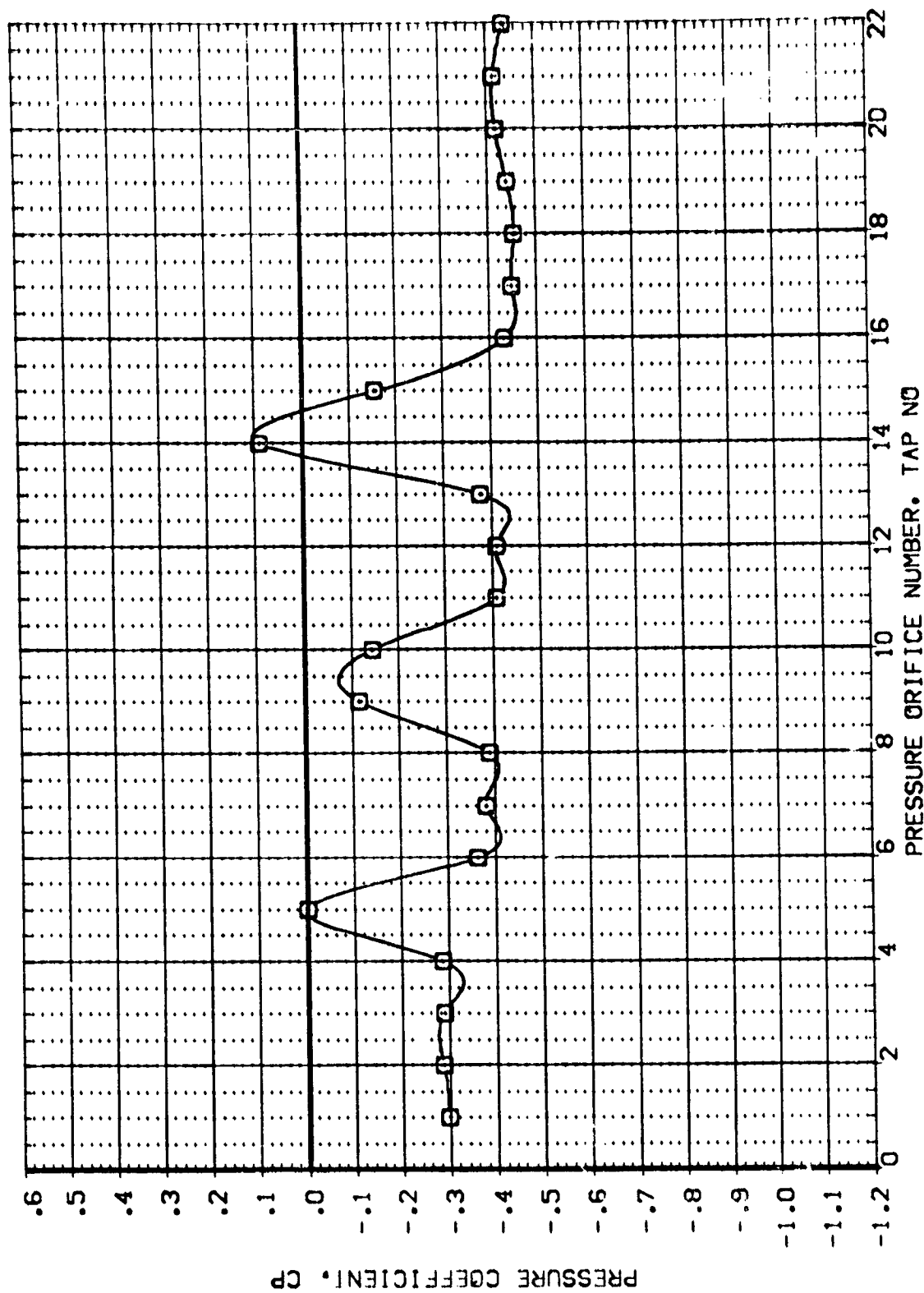


FIG 19 REPEATABILITY - BASE PRESSURES

$$v_{ACH} = 1.223 \quad \alpha_{PHA} = .000 \quad X/L = 1.000$$

PAGE 352



APPENDIX A
TABULATED SOURCE DATA - FORCE

Tabulations of plotted data are available on request from
Data Management Services.

1A68 C1 F1

REFERENCE DATA

SREF = 2690.0000 S2.FT. XMRP = .0000
 UREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

BETA = .000

PAGOMETRIC DATA

RUN NO. 1/ 0 RV/L = 6.40 GRADIENT INTERVAL = -5.00/ 5.00

| | | | | |
|----------|-------|--------|--------|--------|
| MAOH | ALPHA | CABO | CABT | CABS |
| .863 | .000 | .02790 | .05710 | .02340 |
| GRADIENT | | .00000 | .00000 | .00000 |

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

DATE 01 OCT 74

(REPROD) (07 MAR 74)

1A68 C1 F1

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0000

BETA = .000

RUN NO. 6/ 0 RV/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CABC | CABT | CABS |
|------|----------|---------|---------|---------|
| .896 | -4.000 | .03100 | .06250 | .02500 |
| .896 | -2.000 | .02940 | .05940 | .02470 |
| .896 | -.090 | .02900 | .05780 | .02360 |
| .896 | 1.800 | .02840 | .05700 | .02290 |
| .896 | 3.670 | .02830 | .05690 | .02370 |
| | GRADIENT | -.00034 | -.00071 | -.00023 |

RUN NO. 7/ 0 RV/L = 7.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CABC | CABT | CABS |
|-------|----------|---------|---------|---------|
| 1.211 | -3.910 | .04470 | .05510 | .03360 |
| 1.211 | -1.830 | .04270 | .05350 | .03220 |
| 1.211 | .150 | .04220 | .05060 | .03130 |
| 1.211 | 2.120 | .04260 | .04840 | .02990 |
| 1.211 | 4.030 | .04290 | .04800 | .03030 |
| | GRADIENT | -.00019 | -.00097 | -.00045 |

RUN NO. 30/ 0 RV/L = 9.70 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CABC | CABT | CABS |
|-------|----------|--------|---------|---------|
| 1.503 | -3.890 | .03980 | .04240 | .02690 |
| 1.503 | -1.690 | .03960 | .03960 | .02690 |
| 1.503 | .120 | .04020 | .03710 | .02660 |
| 1.503 | 2.010 | .04050 | .03570 | .02660 |
| 1.503 | 3.950 | .04060 | .03560 | .02670 |
| | GRADIENT | .00013 | -.00090 | -.00004 |

RUN NO. 35/ 0 RV/L = 10.80 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CABC | CABT | CABS |
|-------|----------|--------|---------|--------|
| 1.991 | -3.770 | .02890 | .02920 | .01880 |
| 1.991 | -1.960 | .02860 | .02670 | .01980 |
| 1.991 | .020 | .03160 | .02210 | .02030 |
| 1.991 | 2.050 | .03370 | .02090 | .02000 |
| 1.991 | 4.050 | .03380 | .02060 | .01960 |
| | GRADIENT | .00071 | -.00117 | .00009 |



TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

DATE 01 OCT 74

REF 40033 (07 MAY 74)

1A68 C1 F1

PARAMETRIC DATA

REFERENCE DATA

SEEF = 2690.0000 SQ.FT. MGRP = .0000
 LREF = 1328.3000 IN. YGRP = .0000
 BEEF = 1328.3000 IN. ZGRP = .0000
 SCALE = .0040

ALPHA = .000

RUN NO. 9/ 0 RV/L = 6.60 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CABO | CABT | CABS |
|------|----------|---------|--------|---------|
| .899 | -3.750 | .03270 | .06250 | .02720 |
| .899 | -1.860 | .03030 | .05960 | .02570 |
| .899 | .050 | .02880 | .05710 | .02310 |
| .899 | 1.970 | .02820 | .06150 | .02170 |
| .899 | 3.970 | .03250 | .06570 | .02130 |
| | GRADIENT | -.00007 | .00044 | -.00082 |

RUN NO. 8/ 0 RV/L = 7.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CABO | CABT | CABS |
|-------|----------|--------|--------|---------|
| 1.211 | -3.850 | .04450 | .05180 | .03380 |
| 1.211 | -1.900 | .04270 | .04990 | .03230 |
| 1.211 | .000 | .04210 | .05100 | .03110 |
| 1.211 | 1.900 | .04300 | .05070 | .02940 |
| 1.211 | 3.920 | .04590 | .05190 | .02870 |
| | GRADIENT | .00016 | .00005 | -.00068 |

RUN NO. 29/ 0 RV/L = 9.80 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CABO | CABT | CABS |
|-------|----------|--------|--------|---------|
| 1.503 | -3.910 | .03820 | .03320 | .02800 |
| 1.503 | -1.990 | .03770 | .03390 | .02740 |
| 1.503 | -.070 | .03890 | .03580 | .02600 |
| 1.503 | 1.910 | .03890 | .03790 | .02520 |
| 1.503 | 3.980 | .04090 | .03720 | .02400 |
| | GRADIENT | .00033 | .00068 | -.00062 |

RUN NO. 36/ 0 RV/L = 13.80 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CABO | CABT | CABS |
|-------|----------|--------|--------|---------|
| 1.991 | -3.830 | .03300 | .02350 | .02130 |
| 1.991 | -1.900 | .03170 | .02310 | .02090 |
| 1.991 | .050 | .03190 | .02250 | .02030 |
| 1.991 | 2.020 | .03400 | .02280 | .01950 |
| 1.991 | 3.890 | .03380 | .02410 | .01810 |
| | GRADIENT | .00020 | .00005 | -.00040 |

1A69 C1 F1 M1

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

BETA = .000

RUN NO. 13/ 0 RV/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CABC | CABT | CABS |
|------|----------|---------|---------|---------|
| .896 | -3.870 | .03170 | .06560 | .02420 |
| .896 | -2.000 | .00000 | .00000 | .00000 |
| .896 | .000 | .00000 | .00000 | .00000 |
| .896 | 2.000 | .00000 | .00000 | .00000 |
| .896 | 304.000 | .00000 | .00000 | .00000 |
| | GRADIENT | -.00478 | -.03990 | -.03365 |

RUN NO. 12/ 0 RV/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CABC | CABT | CABS |
|-------|----------|---------|---------|---------|
| 1.211 | -3.910 | .04480 | .06680 | .03560 |
| 1.211 | -1.930 | .04350 | .06470 | .03410 |
| 1.211 | .000 | .04370 | .06430 | .03320 |
| 1.211 | 1.930 | .04360 | .06260 | .03300 |
| 1.211 | 3.900 | .04420 | .06200 | .03270 |
| | GRADIENT | -.00006 | -.00060 | -.00035 |

RUN NO. 27/ 0 RV/L = 9.80 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CABC | CABT | CABS |
|-------|----------|---------|---------|---------|
| 1.503 | -3.960 | .04040 | .04240 | .02730 |
| 1.503 | -1.870 | .03960 | .03970 | .02640 |
| 1.503 | .070 | .03970 | .03940 | .02580 |
| 1.503 | 1.990 | .03940 | .03790 | .02590 |
| 1.503 | 3.930 | .03890 | .03780 | .02595 |
| | GRADIENT | -.00016 | -.00056 | -.00017 |

RUN NO. 38/ 0 RV/L = 13.80 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CABC | CABT | CABS |
|-------|----------|--------|---------|---------|
| 1.991 | -3.910 | .03040 | .02930 | .02100 |
| 1.991 | -2.000 | .03260 | .02640 | .02080 |
| 1.991 | -.020 | .03490 | .02430 | .02090 |
| 1.991 | 1.910 | .03490 | .02350 | .02040 |
| 1.991 | 3.850 | .03460 | .02330 | .02010 |
| | GRADIENT | .00065 | -.00074 | -.00001 |



DATE 01 OCT 74

(254725) 1 07 0007 74)

1A68 CI F1 M1

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

ALPHA = .00

RUN NO. 10/ 0 RV/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CASO | CASB | CASB |
|------|----------|---------|--------|---------|
| .896 | -3.860 | .03960 | .06780 | .02650 |
| .896 | -1.880 | .03030 | .06630 | .02540 |
| .896 | .030 | .02870 | .06120 | .02160 |
| .896 | 1.960 | .02920 | .06650 | .02210 |
| .896 | 3.910 | .03290 | .06970 | .02150 |
| | GRADIENT | -.00013 | .00021 | -.00069 |

RUN NO. 11/ 0 RV/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CASO | CASB | CASB |
|-------|----------|--------|--------|---------|
| 1.209 | -3.860 | .04520 | .05240 | .03470 |
| 1.209 | -1.950 | .04370 | .05250 | .03360 |
| 1.209 | -.040 | .04370 | .05430 | .03300 |
| 1.209 | 1.870 | .04290 | .05530 | .03170 |
| 1.209 | 3.928 | .04570 | .05920 | .03130 |
| | GRADIENT | .00002 | .00085 | -.00045 |

RUN NO. 28/ 0 RV/L = 9.80 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CASO | CASB | CASB |
|-------|----------|--------|--------|---------|
| 1.503 | -3.970 | .05100 | .03800 | .02690 |
| 1.503 | -2.050 | .05020 | .03720 | .02630 |
| 1.503 | -.130 | .05050 | .03940 | .02560 |
| 1.503 | 1.800 | .05000 | .04050 | .02530 |
| 1.503 | 3.940 | .05200 | .04040 | .02470 |
| | GRADIENT | .00010 | .00042 | -.00028 |

RUN NO. 37/ 0 RV/L = 13.80 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CASO | CASB | CASB |
|-------|----------|---------|--------|---------|
| 1.991 | -3.790 | .03610 | .02300 | .02130 |
| 1.991 | -1.870 | .03640 | .02310 | .02130 |
| 1.991 | -.010 | .03650 | .02310 | .02100 |
| 1.991 | 1.950 | .03610 | .02170 | .01980 |
| 1.991 | 3.790 | .03490 | .02380 | .01940 |
| | GRADIENT | -.00014 | .00002 | -.00038 |

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 ORIGINAL PAGE IS POOR

DATE 01 OCT 74

INSULATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 C1 F1 M2

REFERENCE DATA

SREF = 2690.0000 SJ.FT. XREF = .0000
LREF = 1328.3000 IN. YREF = .0000
BREF = 1328.3000 IN. ZREF = .0000
SCALE = .0040

PARAMETRIC DATA

BETA = .0000

RUN NO. 14/ 0 RVL = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

| | | | | |
|------|----------|--------|--------|--------|
| MACH | ALPHA | CASC | CART | CAES |
| .896 | .000 | .02980 | .06210 | .02120 |
| | GRADIENT | .00000 | .00000 | .00000 |

RUN NO. 15/ 0 RVL = 7.30 GRADIENT INTERVAL = -5.00/ 5.00

| | | | | |
|-------|----------|--------|--------|--------|
| MACH | ALPHA | CASC | CART | CAES |
| 1.223 | .000 | .04470 | .05650 | .03275 |
| | GRADIENT | .00000 | .00000 | .00000 |



c-6

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1'62

REFALJ77 (37 4/4 748)

IAGS C1 F1 M2(1)+FILLET

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 UREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

PARAMETRIC DATA

BETA = .000

RUN NO. 20/ 0 RVL = 6.60 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CABO | CABT | CABS |
|----------|--------|---------|---------|--------|
| .896 | -3.870 | .03370 | .07170 | .02460 |
| .896 | -1.920 | .03110 | .06430 | .02520 |
| .896 | .000 | .03000 | .05720 | .02400 |
| .896 | 1.850 | .03000 | .05650 | .02430 |
| .896 | 3.790 | .03110 | .05650 | .02570 |
| GRADIENT | | -.00032 | -.00179 | .00007 |

RUN NO. 21/ 0 RVL = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CABO | CABT | CABS |
|----------|--------|---------|---------|---------|
| 1.206 | -3.950 | .04680 | .05780 | .03280 |
| 1.206 | -2.000 | .04520 | .05510 | .03250 |
| 1.206 | -.070 | .04360 | .05220 | .03200 |
| 1.206 | 1.870 | .04360 | .04830 | .03030 |
| 1.206 | 3.850 | .04440 | .04690 | .03090 |
| GRADIENT | | -.00053 | -.00147 | -.00031 |

RUN NO. 32/ 0 RVL = 9.60 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CABO | CABT | CABS |
|----------|--------|---------|---------|---------|
| 1.503 | -3.890 | .03860 | .04410 | .02760 |
| 1.503 | -1.900 | .03930 | .04250 | .02690 |
| 1.503 | .010 | .03910 | .04020 | .02680 |
| 1.503 | 1.940 | .03900 | .03780 | .02590 |
| 1.503 | 3.810 | .03810 | .03460 | .02590 |
| GRADIENT | | -.00007 | -.00124 | -.00023 |

RUN NO. 33/ 0 RVL = 10.60 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CABO | CABT | CABS |
|----------|--------|--------|---------|---------|
| 1.991 | -4.080 | .03220 | .02440 | .01860 |
| 1.991 | -1.900 | .03280 | .02420 | .01890 |
| 1.991 | .100 | .03330 | .02280 | .02130 |
| 1.991 | 2.120 | .03390 | .02280 | .02000 |
| 1.991 | 4.070 | .03390 | .02240 | .01950 |
| GRADIENT | | .00016 | -.00027 | -.00014 |

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

(REAUZER) (07 MAY 74)

1A68 C1 F1 M2(1)+FILLET

PARAMETRIC DATA

REFERENCE DATA

SEF = 2690.0000 SQ.FT. X46P = .0000
 LRF = 1328.3000 IN. Y46P = .0000
 BRF = 1328.3000 IN. Z46P = .0000
 SCALE = .0040

ALPHA = .000

RUN NO. 19/ 0 RV/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CABO | CABT | CABS |
|------|----------|---------|---------|---------|
| .896 | -3.930 | .03580 | .06610 | .02800 |
| .896 | -1.950 | .03320 | .06010 | .02620 |
| .896 | -.030 | .03050 | .05700 | .02390 |
| .896 | 1.880 | .02910 | .06020 | .02400 |
| .896 | 3.810 | .03040 | .06440 | .02220 |
| | GRADIENT | -.00077 | -.00018 | -.00072 |

RUN NO. 18/ 0 RV/L = 7.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CABO | CABT | CABS |
|-------|----------|--------|--------|---------|
| 1.210 | -3.880 | .04600 | .04850 | .03600 |
| 1.210 | -1.830 | .04310 | .05130 | .03330 |
| 1.210 | .140 | .04340 | .06200 | .03160 |
| 1.210 | 2.130 | .04490 | .05250 | .03040 |
| 1.210 | 4.070 | .04880 | .06400 | .02960 |
| | GRADIENT | .00037 | .00062 | -.00069 |

RUN NO. 34/ 0 RV/L = 10.60 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CABO | CABT | CABS |
|-------|----------|--------|--------|---------|
| 1.991 | -3.800 | .03280 | .02420 | .02160 |
| 1.991 | -1.760 | .03240 | .02290 | .02100 |
| 1.991 | .210 | .03320 | .02260 | .02040 |
| 1.991 | 2.160 | .03490 | .02300 | .01930 |
| 1.991 | 4.060 | .03520 | .02460 | .01810 |
| | GRADIENT | .00037 | .00004 | -.00044 |



(REF 0028) (07 MAY 74)

TABULATED SOURCE DATA, R.I. TMF 281 - 1A68

1A68 C1 F1 M3 M4

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = .0000
 LREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

RUN NO. 24/ 0 RV/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CASC | CABT | CABS |
|----------|--------|---------|--------|---------|
| .896 | -3.900 | .02920 | .06090 | .02370 |
| .896 | -1.940 | .02810 | .05960 | .02300 |
| .896 | .000 | .02710 | .05780 | .02270 |
| .896 | 1.910 | .02680 | .05680 | .02210 |
| .896 | 3.840 | .02670 | .06100 | .02270 |
| GRADIENT | | -.00033 | .00032 | -.00015 |

RUN NO. 25/ 0 RV/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CASC | CABT | CABS |
|----------|--------|---------|---------|---------|
| 1.209 | -3.940 | .04700 | .05940 | .03630 |
| 1.209 | -1.960 | .04540 | .06490 | .03510 |
| 1.209 | -.030 | .04570 | .05320 | .03400 |
| 1.209 | 1.900 | .04590 | .05160 | .03380 |
| 1.209 | 3.880 | .04650 | .05100 | .03380 |
| GRADIENT | | -.00033 | -.00033 | -.00032 |

RUN NO. 26/ 0 RV/L = 9.80 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CASC | CABT | CABS |
|----------|--------|---------|---------|---------|
| 1.503 | -3.890 | .05160 | .04200 | .02770 |
| 1.503 | -1.820 | .05140 | .03860 | .02680 |
| 1.503 | .120 | .05170 | .03790 | .02600 |
| 1.503 | 2.120 | .05140 | .03680 | .02600 |
| 1.503 | 4.030 | .05070 | .03720 | .02610 |
| GRADIENT | | -.00039 | -.00036 | -.00020 |

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

TABULATED SOURCE DATA, R.I. TWI 281 - 1A68

DATE 01 OCT 74

(READ10) (07 MAY 74)

1A68 C1 F1 M3 M4

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

ALPHA = .000

RUN NO. 23/ 0 RV/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CABO | CABT | CABS |
|------|----------|---------|--------|---------|
| .897 | -3.920 | .02870 | .06250 | .02700 |
| .897 | -1.970 | .02800 | .06310 | .02580 |
| .897 | -.060 | .02660 | .05770 | .02240 |
| .897 | 1.830 | .02740 | .06360 | .02230 |
| .897 | 3.840 | .02890 | .06390 | .02100 |
| | GRADIENT | -.00001 | .00017 | -.00080 |

RUN NO. 22/ 0 RV/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | BETA | CABO | CABT | CABS |
|-------|----------|--------|--------|---------|
| 1.210 | -3.930 | .04630 | .05140 | .03620 |
| 1.210 | -2.070 | .04580 | .05200 | .03490 |
| 1.210 | -.130 | .04570 | .05340 | .03380 |
| 1.210 | 1.620 | .04510 | .05280 | .03260 |
| 1.210 | 3.780 | .04680 | .05450 | .03160 |
| | GRADIENT | .00002 | .00037 | -.00060 |



DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

65F4011) (07 MAY 74)

1A68 C1 F1 M1

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 S2-FT. XMRP = .0000
 UREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

BETA = .000

RUN NO. 31/ 0 RV/L = 9.60 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CASO | CAS1 | CABS |
|-------|----------|---------|--------|--------|
| 1.503 | -3.700 | .04060 | .04180 | .02710 |
| 1.503 | -1.790 | .04120 | .04300 | .02710 |
| 1.503 | .120 | .04060 | .04300 | .02730 |
| 1.503 | 2.010 | .04020 | .04460 | .02740 |
| 1.503 | 4.040 | .04000 | .04640 | .02770 |
| | GRADIENT | -.00011 | .00056 | .00038 |

RUN NO. 39/ 0 RV/L = 13.80 GRADIENT INTERVAL = -5.00/ 5.00

| MACH | ALPHA | CASO | CAS1 | CABS |
|-------|----------|--------|---------|--------|
| 1.991 | -3.660 | .02920 | .03150 | .01970 |
| 1.991 | -1.940 | .03130 | .02990 | .02040 |
| 1.991 | .000 | .03500 | .02690 | .02080 |
| 1.991 | 1.980 | .03720 | .02560 | .02020 |
| 1.991 | 3.910 | .03640 | .02400 | .02020 |
| | GRADIENT | .00104 | -.00099 | .00104 |

1A68 C1 F1 M2

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

PARAMETRIC DATA

BETA = .000

RUN NO. 16/ 0 RVL = 7.30 GRADIENT INTERVAL = -5.00/ 5.00

| | | | | |
|----------|-------|--------|--------|--------|
| MACH | ALPHA | CABO | CABT | CABS |
| 1.223 | .000 | .04470 | .08640 | .03270 |
| GRADIENT | | .00000 | .00000 | .00000 |



APPENDIX B
TABULATED SOURCE DATA - PRESSURE

Tabulations of plotted data are available on request from
Data Management Services.

TABLATED SOURCE DATA, R.I. TWT 291 - 1A68

(RF4831) (18 APR 74)

BASE REGIONS

1A68 C1 F1

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = .0000
 LREF = 1328.3000 IN. YREF = .0000
 BREF = 1328.3000 IN. ZREF = .0000
 SCALE = .0040

MACH (1) = .863 ALPHA (1) = .000 RV/L = 6.400

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
 1.000 -.1814
 2.000 -.1769
 3.000 -.1819
 4.000 -.1810
 5.000 .0283
 6.000 -.3068
 7.000 -.2895
 8.000 -.3141
 9.000 -.4342
 10.000 -.3623
 11.000 -.3181
 12.000 -.3142
 13.000 -.2967
 14.000 -.1583
 15.000 -.1576
 16.000 -.3141
 17.000 -.3087
 18.000 -.3379
 19.000 -.3165
 20.000 -.3090
 21.000 -.2782
 22.000 -.3253

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

(REF4612) (18 APR 74)

PARAMETRIC DATA

BETA = .000

DATE 01 OCT 74
TABULATED SOURCE DATA, R.I. TWT 281 - 1A68
1A68 C1 F1 BASE REGIONS

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = .0000
LREF = 1328.3000 IN. YMRP = .0000
BREF = 1328.3000 IN. ZMRP = .0000
SCALE = .0000

MACH (1) = .896 ALPHA (1) = -4.000 RV/L = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 -2066
2.000 -2133
3.000 -1986
4.000 -1902
5.000 .0000
6.000 -3870
7.000 -2891
8.000 -2993
9.000 -4239
10.000 -3626
11.000 -3054
12.000 -3157
13.000 -3604
14.000 -1340
15.000 -1813
16.000 -3432
17.000 -3159
18.000 -3553
19.000 -3504
20.000 -3274
21.000 -3106
22.000 -3458

MACH (1) = .896 ALPHA (2) = -2.000 RV/L = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 -1964
2.000 -1993
3.000 -1880
4.000 -1839
5.000 .0000
6.000 -3532
7.000 -2792
8.000 -2937



TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4502)

BASE REGIONS

1A68 C1 F1

MACH (1) = .896 ALPHA (2) = -2.000

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO
9.000 -.4012
10.000 -.3325
11.000 -.3018
12.000 -.3124
13.000 -.3300
14.000 -.1393
15.000 -.1548
16.000 -.3358
17.000 -.3142
18.000 -.3564
19.000 -.3425
20.000 -.3207
21.000 -.3003
22.000 -.3418

MACH (1) = .896 ALPHA (3) = -.080 RM/L = 6.700

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 -.1924
2.000 -.1911
3.000 -.1657
4.000 -.1641
5.000 .0000
6.000 -.3267
7.000 -.2852
8.000 -.3080
9.000 -.3900
10.000 -.3176
11.000 -.3125
12.000 -.3159
13.000 -.3039
14.000 -.1350
15.000 -.1257
16.000 -.3165
17.000 -.3066
18.000 -.3387
19.000 -.3211
20.000 -.3035
21.000 -.2892
22.000 -.3254

(3F4EJ2)

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 C1 F1 BASE REGIONS

MACH (1) = .896 ALPHA (4) = 1.800 RV/L = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.1859
 2.000 -.1838
 3.000 -.1822
 4.000 -.1845
 5.000 .0000
 6.000 -.3291
 7.000 -.2895
 8.000 -.3102
 9.000 -.3735
 10.000 -.2977
 11.000 -.3190
 12.000 -.3205
 13.000 -.3045
 14.000 -.1347
 15.000 -.0976
 16.000 -.3058
 17.000 -.3068
 18.000 -.3312
 19.000 -.3092
 20.000 -.2936
 21.000 -.2673
 22.000 -.3190

MACH (1) = .896 ALPHA (5) = 3.670 RV/L = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.1835
 2.000 -.1830
 3.000 -.1822
 4.000 -.1852
 5.000 .0000
 6.000 -.3332
 7.000 -.2869
 8.000 -.3097
 9.000 -.3623
 10.000 -.2978
 11.000 -.3160
 12.000 -.3218
 13.000 -.3070
 14.000 -.1285
 15.000 -.1041



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A63

(3745-2)

1A63 C1 F1 BASE REGIONS

MOCH (1) = .886 ALPHA (5) = 3.670

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

| TAP NO | |
|--------|--------|
| 16.000 | -.3131 |
| 17.000 | -.3217 |
| 18.000 | -.3425 |
| 19.000 | -.3130 |
| 20.000 | -.3013 |
| 21.000 | -.2737 |
| 22.000 | -.3299 |

MOCH (2) = 1.211 ALPHA (1) = -3.910 RV/L = 7.500

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

| TAP NO | |
|--------|--------|
| 1.000 | -.2890 |
| 2.000 | -.2854 |
| 3.000 | -.2882 |
| 4.000 | -.2959 |
| 5.000 | .0000 |
| 6.000 | -.3647 |
| 7.000 | -.3960 |
| 8.000 | -.4182 |
| 9.000 | -.0894 |
| 10.000 | -.0464 |
| 11.000 | -.4239 |
| 12.000 | -.4211 |
| 13.000 | -.3896 |
| 14.000 | .0241 |
| 15.000 | -.0921 |
| 16.000 | -.4499 |
| 17.000 | -.4531 |
| 18.000 | -.4625 |
| 19.000 | -.4507 |
| 20.000 | -.4193 |
| 21.000 | -.4293 |
| 22.000 | -.4497 |

(74-12)

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

BASE REGIONS

LA68 C1 F1

ALPHA (2) = -1.833

RV/L = 7.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|-------|
| 1.000 | -2833 |
| 2.000 | -2711 |
| 3.000 | -2777 |
| 4.000 | -2719 |
| 5.000 | .0000 |
| 6.000 | -3641 |
| 7.000 | -3742 |
| 8.000 | -3897 |
| 9.000 | -3843 |
| 10.000 | -3709 |
| 11.000 | -4040 |
| 12.000 | -4058 |
| 13.000 | -3703 |
| 14.000 | .0807 |
| 15.000 | -1171 |
| 16.000 | -4277 |
| 17.000 | -4379 |
| 18.000 | -4510 |
| 19.000 | -4318 |
| 20.000 | -4142 |
| 21.000 | -4102 |
| 22.000 | -4259 |

RV/L = 7.500

ALPHA (3) = .150

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|-------|
| 1.000 | -2793 |
| 2.000 | -2688 |
| 3.000 | -2757 |
| 4.000 | -2675 |
| 5.000 | .0000 |
| 6.000 | -3529 |
| 7.000 | -3624 |
| 8.000 | -3820 |
| 9.000 | -3837 |
| 10.000 | -3755 |
| 11.000 | -3967 |
| 12.000 | -3999 |
| 13.000 | -3594 |
| 14.000 | .0800 |
| 15.000 | -3365 |



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(SF4502)

BASE REGIONS

1A68 C1 F1

MACH (2) = 1.211 ALPHA (3) = .150

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

16.000 -.4132
17.000 -.4252
18.000 -.4413
19.000 -.4209
20.000 -.3970
21.000 -.3936
22.000 -.4143

MACH (2) = 1.211 ALPHA (4) = 2.120 RV/L = 7.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2765
2.000 -.2726
3.000 -.2800
4.000 -.2700
5.000 .0000
6.000 -.3523
7.000 -.3579
8.000 -.3900
9.000 -.0685
10.000 -.0293
11.000 -.4002
12.000 -.4010
13.000 -.3595
14.000 .0805
15.000 .0314
16.000 -.3915
17.000 -.4089
18.000 -.4184
19.000 -.4030
20.000 -.3779
21.000 -.3789
22.000 -.3967

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

(REF 4.12)

1A69 C1 F1 BASE REGIONS

MACH (2) = 1.211 ALPHA (5) = 4.030 RV/L = 7.500

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2763
 2.000 -.2740
 3.000 -.2833
 4.000 -.2708
 5.000 .0000
 6.000 -.3425
 7.000 -.3485
 8.000 -.3839
 9.000 -.0608
 10.000 -.0265
 11.000 -.3947
 12.000 -.3946
 13.000 -.3507
 14.000 .0576
 15.000 .0088
 16.000 -.3971
 17.000 -.4158
 18.000 -.4200
 19.000 -.4103
 20.000 -.3887
 21.000 -.3858
 22.000 -.4019

MACH (3) = 1.503 ALPHA (1) = -3.890 RV/L = 9.700

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2740
 2.000 -.2567
 3.000 -.2549
 4.000 -.2497
 5.000 .0000
 6.000 -.3097
 7.000 -.3161
 8.000 -.3284
 9.000 -.0434
 10.000 -.0421
 11.000 -.3355
 12.000 -.3388
 13.000 -.3087
 14.000 .0940
 15.000 -.0546



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF48J2)

1A68 CI F1 BASE REGIONS

MA04 (3) = 1.503 ALPHA (1) = -3.890

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO
16.000 -.3517
17.000 -.3782
18.000 -.3698
19.000 -.3590
20.000 -.3409
21.000 -.3471
22.000 -.3550

MA04 (3) = 1.503 ALPHA (2) = -1.690 RV/L = 9.700

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO
1.000 -.2676
2.000 -.2504
3.000 -.2551
4.000 -.2555
5.000 .0000
6.000 -.2974
7.000 -.3058
8.000 -.3244
9.000 -.0853
10.000 -.0334
11.000 -.3225
12.000 -.3256
13.000 -.2975
14.000 .0979
15.000 -.0032
16.000 -.3563
17.000 -.3721
18.000 -.3705
19.000 -.3564
20.000 -.3479
21.000 -.3490
22.000 -.3539

DATE 01 OCT 74

(RF48D2)

BASE REGIONS

MACH (3) = 1.503 ALPHA (3) = .120 RV/L = 9.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2667
2.000 -.2484
3.000 -.2619
4.000 -.2613
5.000 .0000
6.000 -.2916
7.000 -.2992
8.000 -.3162
9.000 -.0264
10.000 -.0417
11.000 -.3177
12.000 -.3240
13.000 -.2921
14.000 .1330
15.000 .0405
16.000 -.3527
17.000 -.3641
18.000 -.3687
19.000 -.3546
20.000 -.3432
21.000 -.3414
22.000 -.3521

MACH (3) = 1.503 ALPHA (4) = 2.010 RV/L = 9.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2668
2.000 -.2500
3.000 -.2669
4.000 -.2608
5.000 .0000
6.000 -.2877
7.000 -.2922
8.000 -.3087
9.000 -.0271
10.000 -.0133
11.000 -.3193
12.000 -.3174
13.000 -.2835
14.000 .1650
15.000 .0111



TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4812)

BASE REGIONS

1A68 C1 F1

MACH (3) = 1.503 ALPHA (4) = 2.010

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
16.000 -3484
17.000 -3660
18.000 -3696
19.000 -3527
20.000 -3402
21.000 -3429
22.000 -3525

MACH (3) = 1.503 ALPHA (5) = 3.950 RVL = 9.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 -2630
2.000 -2533
3.000 -2677
4.000 -2618
5.000 .0000
6.000 -2820
7.000 -2922
8.000 -3067
9.000 -0237
10.000 -0165
11.000 -3222
12.000 -3213
13.000 -2819
14.000 .1955
15.000 -0160
16.000 -3476
17.000 -3695
18.000 -3727
19.000 -3544
20.000 -3418
21.000 -3432
22.000 -3507

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(RF4E12)

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 C1 F1 BASE REGIONS

RV/L = 10.800

RV/L = -3.770

MACH (4) = 1.991

ALPHA (1) =

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.1955
2.000 -.1843
3.000 -.1851
4.000 -.1862
5.000 .0000
6.000 -.2233
7.000 -.2309
8.000 -.2368
9.000 -.0120
10.000 -.0173
11.000 -.2430
12.000 -.2529
13.000 -.2236
14.000 .0874
15.000 -.0058
16.000 -.2472
17.000 -.2597
18.000 -.2609
19.000 -.2481
20.000 -.2434
21.000 -.2431
22.000 -.2461

RV/L = 10.800

RV/L = -1.960

MACH (4) = 1.991

ALPHA (2) =

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.1971
2.000 -.1839
3.000 -.1923
4.000 -.1919
5.000 .0000
6.000 -.2150
7.000 -.2221
8.000 -.2340
9.000 -.0106
10.000 -.0150
11.000 -.2327
12.000 -.2401
13.000 -.2136
14.000 .1113
15.000 .0203



TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4502)

DATE 01 OCT 74

1A68 CI F1 BASE REGIONS

MACH (4) = 1.991 ALPHA (2) = -1.960

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO
16.000 -.2555
17.000 -.2824
18.000 -.2762
19.000 -.2559
20.000 -.2527
21.000 -.2489
22.000 -.2536

MACH (4) = 1.991 ALPHA (3) = .020 RV/L = 10.800

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO
1.000 -.2084
2.000 -.1979
3.000 -.2061
4.000 -.2052
5.000 .0000
6.000 -.2057
7.000 -.2123
8.000 -.2240
9.000 -.0059
10.000 .0041
11.000 -.2169
12.000 -.2269
13.000 -.2057
14.000 .1479
15.000 .0990
16.000 -.2550
17.000 -.2566
18.000 -.2874
19.000 -.2573
20.000 -.2552
21.000 -.2515
22.000 -.2570

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF48J2)

1A68 C1 F1 BASE REGIONS

MAON (4) = 1.991 ALPHA (4) = 2.050 RV/L = 10.800

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2219 |
| 2.000 | -.2144 |
| 3.000 | -.2187 |
| 4.000 | -.2182 |
| 5.000 | .0000 |
| 6.000 | -.2055 |
| 7.000 | -.2050 |
| 8.000 | -.2198 |
| 9.000 | -.0052 |
| 10.000 | .0169 |
| 11.000 | -.2103 |
| 12.000 | -.2231 |
| 13.000 | -.2063 |
| 14.000 | .1868 |
| 15.000 | .0798 |
| 16.000 | -.2531 |
| 17.000 | -.2904 |
| 18.000 | -.2819 |
| 19.000 | -.2564 |
| 20.000 | -.2502 |
| 21.000 | -.2477 |
| 22.000 | -.2545 |

MAON (4) = 1.991 ALPHA (5) = 4.050 RV/L = 10.800

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2200 |
| 2.000 | -.2136 |
| 3.000 | -.2198 |
| 4.000 | -.2196 |
| 5.000 | .0000 |
| 6.000 | -.1943 |
| 7.000 | -.2008 |
| 8.000 | -.2132 |
| 9.000 | -.0075 |
| 10.000 | .0259 |
| 11.000 | -.2169 |
| 12.000 | -.2253 |
| 13.000 | -.1964 |
| 14.000 | -.2063 |
| 15.000 | .0637 |



66F4802

TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

BASE REGIONS

1A69 C1 F1

4.050

ALPHA (5) =

1.991

W/OY (4) =

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO
 5.000 -2514
 17.000 -2826
 18.000 -2772
 19.000 -2534
 20.000 -2443
 21.000 -2447
 22.000 -2522

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TABULATED SOURCE DATA, R.I., TWT 281 - 1A68

PAGE 16

1A68 C1 F1

BASE REGIONS

(REF4803) (18 APR 74)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = .0000
 LREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

PARAMETRIC DATA

ALPHA = .000

MAOH (1) = .699 BETA (1) = -3.750 RV/L = 6.600

SECTION (1) BASE

DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

1.000 -2193
 2.000 -2169
 3.000 -2139
 4.000 -1989
 5.000 .0000
 6.000 -3164
 7.000 -3314
 8.000 -3588
 9.000 -3982
 10.000 -3340
 11.000 -3524
 12.000 -3434
 13.000 -3142
 14.000 -10275
 15.000 -2506
 16.000 -3790
 17.000 -3360
 18.000 -3838
 19.000 -3774
 20.000 -3684
 21.000 -3398
 22.000 -3809

MAOH (1) = .699 BETA (2) = -1.860 RV/L = 6.600

SECTION (1) BASE

DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

1.000 -1992
 2.000 -1994
 3.000 -1968
 4.000 -1895
 5.000 .0000
 6.000 -3216
 7.000 -3146
 8.000 -3375



DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 CI F1 BASE REGIONS

MACH (1) = .899 BETA (2) = -1.860

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 9.000 | -.3904 |
| 10.000 | -.3198 |
| 11.000 | -.3361 |
| 12.000 | -.3330 |
| 13.000 | -.3135 |
| 14.000 | -.0794 |
| 15.000 | -.1521 |
| 16.000 | -.3545 |
| 17.000 | -.3270 |
| 18.000 | -.3666 |
| 19.000 | -.3538 |
| 20.000 | -.3438 |
| 21.000 | -.3146 |
| 22.000 | -.3594 |

MACH (1) = .899 BETA (3) = .080 RV/L = 6.600

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.1245 |
| 2.000 | -.1921 |
| 3.000 | -.1845 |
| 4.000 | -.1327 |
| 5.000 | .0000 |
| 6.000 | -.3982 |
| 7.000 | -.2774 |
| 8.000 | -.2952 |
| 9.000 | -.3852 |
| 10.000 | -.3109 |
| 11.000 | -.3039 |
| 12.000 | -.3123 |
| 13.000 | -.3127 |
| 14.000 | -.1409 |
| 15.000 | -.1131 |
| 16.000 | -.3099 |
| 17.000 | -.3040 |
| 18.000 | -.3346 |
| 19.000 | -.3156 |
| 20.000 | -.2954 |
| 21.000 | -.2727 |
| 22.000 | -.3215 |

MACH (1) = .899 BETA (4) = 1.970 RV/L = 6.600

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.1951
2.000 -.1927
3.000 -.1875
4.000 -.1849
5.000 .0000
6.000 -.3541
7.000 -.2823
8.000 -.2933
9.000 -.3891
10.000 -.3183
11.000 -.3154
12.000 -.3424
13.000 -.3617
14.000 -.2703
15.000 -.1229
16.000 -.2819
17.000 -.2965
18.000 -.3171
19.000 -.2914
20.000 -.2679
21.000 -.2489
22.000 -.3011

MACH (1) = .899 BETA (5) = 3.970 RV/L = 6.600

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2217
2.000 -.2215
3.000 -.2031
4.000 -.2043
5.000 .0000
6.000 -.3255
7.000 -.3245
8.000 -.3454
9.000 -.3995
10.000 -.3254
11.000 -.3577
12.000 -.3648
13.000 -.3902
14.000 -.2060
15.000 -.1255



(74-800)

TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

BASE REGIONS

1A68 C1 F1

DATE 01 OCT 74

MACH (1) = .899 BETA (5) = 3.970

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
16.000 -2761
17.000 -2924
18.000 -3139
19.000 -2864
20.000 -2600
21.000 -2386
22.000 -2987

MACH (2) = 1.211 BETA (1) = -3.850 RVL = 7.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 -2937
2.000 -2895
3.000 -2949
4.000 -2707
5.000 .0000
6.000 -3530
7.000 -3791
8.000 -3989
9.000 -3932
10.000 -3781
11.000 -4011
12.000 -3993
13.000 -3602
14.000 -1470
15.000 -1170
16.000 -4473
17.000 -4614
18.000 -4704
19.000 -4546
20.000 -4356
21.000 -4291
22.000 -4499

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TABULATED SOURCE DATA, R.I. TWT 231 - 1A69

(74233)

BASE REGIONS

1A69 C1 F1

RV/L = 7.500

BETA (2) = -1.900

MACH (2) = 1.211

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2789
 2.000 -.2780
 3.000 -.2810
 4.000 -.2857
 5.000 .0000
 6.000 -.3450
 7.000 -.3660
 8.000 -.3792
 9.000 -.0776
 10.000 -.0785
 11.000 -.3965
 12.000 -.3926
 13.000 -.3515
 14.000 .1529
 15.000 -.1032
 16.000 -.4274
 17.000 -.4420
 18.000 -.4507
 19.000 -.4360
 20.000 -.4111
 21.000 -.4115
 22.000 -.4287

MACH (2) = 1.211 BETA (3) = .000 RV/L = 7.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2779
 2.000 -.2683
 3.000 -.2747
 4.000 -.2677
 5.000 .0000
 6.000 -.3515
 7.000 -.3625
 8.000 -.3825
 9.000 -.0652
 10.000 -.0785
 11.000 -.3546
 12.000 -.4009
 13.000 -.3593
 14.000 .0629
 15.000 -.0501



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(REFLECT)

BASE REGIONS

1A68 C1 F1

MACH (2) = 1.211 BETA (3) = .000

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 16.000 | -.4089 |
| 17.000 | -.4225 |
| 18.000 | -.4392 |
| 19.000 | -.4186 |
| 20.000 | -.3940 |
| 21.000 | -.3906 |
| 22.000 | -.4114 |

MACH (2) = 1.211 BETA (4) = 1.900 RV/L = 7.500

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2933 |
| 2.000 | -.2895 |
| 3.000 | -.2749 |
| 4.000 | -.2630 |
| 5.000 | .0000 |
| 6.000 | -.3464 |
| 7.000 | -.3648 |
| 8.000 | -.3780 |
| 9.000 | -.0820 |
| 10.000 | -.0689 |
| 11.000 | -.3834 |
| 12.000 | -.3750 |
| 13.000 | -.3766 |
| 14.000 | .0308 |
| 15.000 | -.0291 |
| 16.000 | -.3852 |
| 17.000 | -.4003 |
| 18.000 | -.4189 |
| 19.000 | -.3968 |
| 20.000 | -.3703 |
| 21.000 | -.3706 |
| 22.000 | -.3850 |

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4EJ3)

BASE REGIONS

1A68 C1 F1

MACH (2) = 1.211 BETA (5) = 3.920 RV/L = 7.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -3184
2.000 -3156
3.000 -2898
4.000 -2787
5.000 .0000
6.000 -3482
7.000 -3644
8.000 -3874
9.000 -0881
10.000 -0683
11.000 -3915
12.000 -3903
13.000 -3938
14.000 .0424
15.000 -0345
16.000 -3750
17.000 -3916
18.000 -4084
19.000 -3902
20.000 -3612
21.000 -3559
22.000 -3812

MACH (3) = 1.503 BETA (1) = -3.910 RV/L = 9.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2503
2.000 -2370
3.000 -2541
4.000 -2400
5.000 .0000
6.000 -2829
7.000 -2972
8.000 -3048
9.000 -0389
10.000 -0304
11.000 -3180
12.000 -3170
13.000 -2800
14.000 .2301
15.000 .0651



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(SF4803)

BASE REGIONS

1A68 C1 F1

MCH (3) = 1.503 BETA (1) = -3.910

DEPENDENT VARIABLE OP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 16.000 | -.3692 |
| 17.000 | -.3868 |
| 18.000 | -.3904 |
| 19.000 | -.3691 |
| 20.000 | -.3601 |
| 21.000 | -.3606 |
| 22.000 | -.3673 |

MCH (3) = 1.503 BETA (2) = -1.980 RV/L = 9.800

DEPENDENT VARIABLE OP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2521 |
| 2.000 | -.2329 |
| 3.000 | -.2469 |
| 4.000 | -.2413 |
| 5.000 | .0000 |
| 6.000 | -.2770 |
| 7.000 | -.2922 |
| 8.000 | -.3017 |
| 9.000 | -.0234 |
| 10.000 | -.0372 |
| 11.000 | -.3179 |
| 12.000 | -.3220 |
| 13.000 | -.2775 |
| 14.000 | .1968 |
| 15.000 | .0637 |
| 16.000 | -.3625 |
| 17.000 | -.3780 |
| 18.000 | -.3806 |
| 19.000 | -.3637 |
| 20.000 | -.3533 |
| 21.000 | -.3537 |
| 22.000 | -.3619 |

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4830)

1A68 CI F1 BASE REGIONS

MACH (3) = 1.503 BETA (3) = -.070 RV/L = 9.800

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

| | |
|--------|--------|
| 1.000 | -.2592 |
| 2.000 | -.2409 |
| 3.000 | -.2530 |
| 4.000 | -.2525 |
| 5.000 | .0000 |
| 6.000 | -.2828 |
| 7.000 | -.2925 |
| 8.000 | -.3062 |
| 9.000 | -.0197 |
| 10.000 | -.0357 |
| 11.000 | -.3141 |
| 12.000 | -.3196 |
| 13.000 | -.2853 |
| 14.000 | .1368 |
| 15.000 | .0435 |
| 16.000 | -.3459 |
| 17.000 | -.3574 |
| 18.000 | -.3609 |
| 19.000 | -.3477 |
| 20.000 | -.3344 |
| 21.000 | -.3345 |
| 22.000 | -.3452 |

MACH (3) = 1.503 BETA (4) = 1.910 RV/L = 9.800

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2613 |
| 2.000 | -.2542 |
| 3.000 | -.2461 |
| 4.000 | -.2513 |
| 5.000 | .0000 |
| 6.000 | -.2876 |
| 7.000 | -.2918 |
| 8.000 | -.3018 |
| 9.000 | -.0219 |
| 10.000 | -.0294 |
| 11.000 | -.3080 |
| 12.000 | -.3140 |
| 13.000 | -.3078 |
| 14.000 | .0994 |
| 15.000 | .0264 |

(6F4813)

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

DATE 01 OCT 74

1A68 CI F1 BASE REGIONS

MACH (3) = 1.503 BETA (4) = 1.910

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAF NO

16.000 -.3328
17.000 -.3428
18.000 -.3595
19.000 -.3341
20.000 -.3235
21.000 -.3191
22.000 -.3309

MACH (3) = 1.503 BETA (5) = 3.980 RV/L = 9.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAF NO

1.000 -.2775
2.000 -.2721
3.000 -.2577
4.000 -.2603
5.000 .0000
6.000 -.2822
7.000 -.2925
8.000 -.3060
9.000 -.0394
10.000 -.0321
11.000 -.3044
12.000 -.3125
13.000 -.3043
14.000 .1331
15.000 .0003
16.000 -.3146
17.000 -.3293
18.000 -.3407
19.000 -.3208
20.000 -.3020
21.000 -.3042
22.000 -.3143

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DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4803)

1A68 C1 F1 BASE REGIONS

MACH (4) = 1.991 BETA (1) = -3.830 RV/L = 13.800

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO

1.000 -.2200
 2.000 -.2246
 3.000 -.2085
 4.000 -.2144
 5.000 .0000
 6.000 -.2122
 7.000 -.2177
 8.000 -.2232
 9.000 -.0292
 10.000 -.0291
 11.000 -.2254
 12.000 -.2329
 13.000 -.2143
 14.000 .1847
 15.000 .0818
 16.000 -.2773
 17.000 -.3044
 18.000 -.2941
 19.000 -.2778
 20.000 -.2723
 21.000 -.2666
 22.000 -.2756

MACH (4) = 1.991 BETA (2) = -1.900 RV/L = 13.800

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO

1.000 -.2079
 2.000 -.2032
 3.000 -.2032
 4.000 -.2078
 5.000 .0000
 6.000 -.2043
 7.000 -.2100
 8.000 -.2182
 9.000 -.0163
 10.000 -.0158
 11.000 -.2188
 12.000 -.2353
 13.000 -.2045
 14.000 .1978
 15.000 .0328

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4503)

BASE REGIONS

1A68 C1 F1

MACH (4) = 1.991 BETA (2) = -1.900

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | VALUE |
|--------|--------|
| 16.000 | -.2694 |
| 17.000 | -.3005 |
| 18.000 | -.2917 |
| 19.000 | -.2703 |
| 20.000 | -.2676 |
| 21.000 | -.2612 |
| 22.000 | -.2700 |

MACH (4) = 1.991 BETA (3) = .050 RV/L = 13.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | VALUE |
|--------|--------|
| 1.000 | -.2116 |
| 2.000 | -.1982 |
| 3.000 | -.2066 |
| 4.000 | -.2079 |
| 5.000 | .0000 |
| 6.000 | -.2045 |
| 7.000 | -.2121 |
| 8.000 | -.2227 |
| 9.000 | -.0082 |
| 10.000 | .0029 |
| 11.000 | -.2178 |
| 12.000 | -.2276 |
| 13.000 | -.2032 |
| 14.000 | .1466 |
| 15.000 | .0837 |
| 16.000 | -.2561 |
| 17.000 | -.2976 |
| 18.000 | -.2885 |
| 19.000 | -.2593 |
| 20.000 | -.2554 |
| 21.000 | -.2524 |
| 22.000 | -.2577 |

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DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4503)

1A68 CI F1 BASE REGIONS

MACH (4) = 1.991 BETA (4) = 2.020 RV/L = 13.800

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2263
 2.000 -.2165
 3.000 -.2187
 4.000 -.2194
 5.000 .0000
 6.000 -.2143
 7.000 -.2145
 8.000 -.2223
 9.000 -.0112
 10.000 .0037
 11.000 -.2261
 12.000 -.2311
 13.000 -.2223
 14.000 .1356
 15.000 .1248
 16.000 -.2446
 17.000 -.2859
 18.000 -.2782
 19.000 -.2465
 20.000 -.2442
 21.000 -.2409
 22.000 -.2467

MACH (4) = 1.991 BETA (5) = 3.890 RV/L = 13.800

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2310
 2.000 -.2089
 3.000 -.2165
 4.000 -.2206
 5.000 .0000
 6.000 -.2287
 7.000 -.2202
 8.000 -.2231
 9.000 -.0210
 10.000 -.0333
 11.000 -.2238
 12.000 -.2254
 13.000 -.2259
 14.000 .1138
 15.000 .1093



TABLATED SOURCE DATA, R.I. TMT 281 - 1A68

(SF48C3)

BASE REGIONS

1A68 C1 F1

MACH (4) = 1.991 BETA (5) = 3.890

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|--------|
| 16.000 | -.2323 |
| 17.000 | -.2606 |
| 18.000 | -.2588 |
| 19.000 | -.2309 |
| 20.000 | -.2304 |
| 21.000 | -.2240 |
| 22.000 | -.2318 |

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(REFS) (15 APR 74)

BASE REGIONS

1A68 C1 F1 M1(1)

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = .0000
 UREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

MACH (1) = .896 ALPHA (1) = -3.670 RV/L = 6.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAF NO

1.000 -2115
 2.000 -2130
 3.000 -2041
 4.000 -1965
 5.000 .0000
 6.000 -3973
 7.000 -3008
 8.000 -3153
 9.000 -4134
 10.000 -3761
 11.000 -3208
 12.000 -3244
 13.000 -3686
 14.000 -1414
 15.000 -2342
 16.000 -3340
 17.000 -3086
 18.000 -3351
 19.000 -3404
 20.000 -3185
 21.000 -3060
 22.000 -3380

MACH (1) = .896 ALPHA (2) = -2.000 RV/L = 6.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAF NO

1.000 .0000
 2.000 .0000
 3.000 .0000
 4.000 .0000
 5.000 .0000
 6.000 .0000
 7.000 .0000
 8.000 .0000



TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(3F6EUM)

BASE REGIONS

1A68 C1 F1 M1(1)

DATE 01 OCT 74

MACH (1) = .896 ALPHA (2) = -2.000

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
9.000 .570
10.000 .3
11.000 .0000
12.000 .0000
13.000 .0000
14.000 .0000
15.000 .0000
16.000 .0000
17.000 .0000
18.000 .0000
19.000 .0000
20.000 .0000
21.000 .0000
22.000 .0000

MACH (1) = .896 ALPHA (3) = .000 RV/L = 6.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 .0000
2.000 .0000
3.000 .0000
4.000 .0000
5.000 .0000
6.000 .0000
7.000 .0000
8.000 .0000
9.000 .0000
10.000 .0000
11.000 .0000
12.000 .0000
13.000 .0000
14.000 .0000
15.000 .0000
16.000 .0000
17.000 .0000
18.000 .0000
19.000 .0000
20.000 .0000
21.000 .0000
22.000 .0000

DATE 01 OCT 74

TABLE 1

TABULATED SOURCE DATA, R.I. TWT 281 - 1468

1468 C1 F1 M1(1)

BASE REGIONS

MACH (1) = .896 ALPHA (4) = 2.000 RV/L = 6.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 .0000
2.000 .0000
3.000 .0000
4.000 .0000
5.000 .0000
6.000 .0000
7.000 .0000
8.000 .0000
9.000 .0000
10.000 .0000
11.000 .0000
12.000 .0000
13.000 .0000
14.000 .0000
15.000 .0000
16.000 .0000
17.000 .0000
18.000 .0000
19.000 .0000
20.000 .0000
21.000 .0000
22.000 .0000

MACH (1) = .896 ALPHA (5) = 304.000 RV/L = 6.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 .0000
2.000 .0000
3.000 .0000
4.000 .0000
5.000 .0000
6.000 .0000
7.000 .0000
8.000 .0000
9.000 .0000
10.000 .0000
11.000 .0000
12.000 .0000
13.000 .0000
14.000 .0000
15.000 .0000



DATE 01 OCT 74

UNCLASSIFIED SOURCE DATA, R.I. TWT 281 - 1A68

(REF:JMK)

BASE REGIONS

1A68 CI F1 M1 (1)

MACH (1) = .886 ALPHA (5) = 304.000

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
16.000 .0000
17.000 .0000
18.000 .0000
19.000 .0000
20.000 .0000
21.000 .0000
22.000 .0000

MACH (2) = 1.211 ALPHA (1) = -3.910 RVL = 7.400

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 -.2829
2.000 -.2842
3.000 -.2930
4.000 -.2973
5.000 .0000
6.000 -.3803
7.000 -.3923
8.000 -.4079
9.000 -.1181
10.000 -.1438
11.000 -.4216
12.000 -.4232
13.000 -.3861
14.000 .0894
15.000 -.0867
16.000 -.4731
17.000 -.4807
18.000 -.5032
19.000 -.4776
20.000 -.4605
21.000 -.4518
22.000 -.4694



DATE 03 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 291 - 1A68
 1A68 CI FI MI(1) BASE REGIONS

MACH (2) = 1.211 ALPHA (2) = -1.930 RV/L = 7.400

SECTION (1) BASE
 DEPENDENT VARIABLE OF

X/L 1.0000

| TAP NO | |
|--------|--------|
| 1.000 | -.2827 |
| 2.000 | -.2756 |
| 3.000 | -.2863 |
| 4.000 | -.2773 |
| 5.000 | .0000 |
| 6.000 | -.3595 |
| 7.000 | -.3723 |
| 8.000 | -.3804 |
| 9.000 | -.0969 |
| 10.000 | -.1573 |
| 11.000 | -.3984 |
| 12.000 | -.4011 |
| 13.000 | -.3655 |
| 14.000 | .0939 |
| 15.000 | -.1195 |
| 16.000 | -.4491 |
| 17.000 | -.4644 |
| 18.000 | -.4836 |
| 19.000 | -.4547 |
| 20.000 | -.4375 |
| 21.000 | -.4306 |
| 22.000 | -.4468 |

MACH (2) = 1.211 ALPHA (3) = .000 RV/L = 7.400

SECTION (1) BASE
 DEPENDENT VARIABLE OF

X/L 1.0000

| TAP NO | |
|--------|--------|
| 1.000 | -.2811 |
| 2.000 | -.2760 |
| 3.000 | -.2904 |
| 4.000 | -.2777 |
| 5.000 | .0000 |
| 6.000 | -.3536 |
| 7.000 | -.3670 |
| 8.000 | -.3765 |
| 9.000 | -.0350 |
| 10.000 | -.1028 |
| 11.000 | -.4053 |
| 12.000 | -.4092 |
| 13.000 | -.3640 |
| 14.000 | .0724 |
| 15.000 | -.1524 |



DATE ON OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(GF4EJH)

1A68 C1 F1 M1 (1) BASE REGIONS

MAOH (2) = 1.211 ALPHA (3) = .000

SECTION (1) BASE DEPENDENT VARIABLE OP

X/L 1.0000

TAP NO
16.000 -.4388
17.000 -.4529
18.000 -.4652
19.000 -.4451
20.000 -.4230
21.000 -.4242
22.000 -.4370

MAOH (2) = 1.211 ALPHA (4) = 1.930 RV'L = 7.400

SECTION (1) BASE DEPENDENT VARIABLE OP

X/L 1.0000

TAP NO
1.000 -.2797
2.000 -.2765
3.000 -.2898
4.000 -.2765
5.000 .0000
6.000 -.3438
7.000 -.3569
8.000 -.3653
9.000 -.0188
10.000 -.0870
11.000 -.3933
12.000 -.4005
13.000 -.3534
14.000 .0690
15.000 -.1672
16.000 -.4364
17.000 -.4497
18.000 -.4596
19.000 -.4441
20.000 -.4199
21.000 -.4215
22.000 -.4360

(3F4E04)

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 C1 F1 MI (1) BASE REGIONS

MACH (2) = 1.211 ALPHA (5) = 3.900 RV/L = 7.400

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2841
 2.000 -2797
 3.000 -2933
 4.000 -2796
 5.000 .0000
 6.000 -3406
 7.000 -3482
 8.000 -3626
 9.000 .0032
 10.000 -.0566
 11.000 -.3848
 12.000 -.3978
 13.000 -.3542
 14.000 .0598
 15.000 -.1943
 16.000 -.4318
 17.000 -.4480
 18.000 -.4543
 19.000 -.4432
 20.000 -.4176
 21.000 -.4150
 22.000 -.4361

MACH (3) = 1.503 ALPHA (1) = -3.960 RV/L = 9.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2880
 2.000 -2655
 3.000 -2551
 4.000 -2526
 5.000 .0000
 6.000 -.3098
 7.000 -.3228
 8.000 -.3284
 9.000 -.0527
 10.000 -.1113
 11.000 -.3340
 12.000 -.3400
 13.000 -.3090
 14.000 .1144
 15.000 .0057



TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(GF4554)

1A68 C1 F1 M1(1) BASE REGIONS

MACH (3) = 1.503 ALPHA (1) = -3.960

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
16.000 -3621
17.000 -3775
18.000 -3735
19.000 -3609
20.000 -3573
21.000 -3576
22.000 -3592

MACH (3) = 1.503 ALPHA (2) = -1.670 RVL = 9.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 -2720
2.000 -2532
3.000 -2519
4.000 -2537
5.000 .0000
6.000 -2985
7.000 -3066
8.000 -3192
9.000 -0347
10.000 -1149
11.000 -3256
12.000 -3274
13.000 -2964
14.000 .1250
15.000 .0427
16.000 -3510
17.000 -3620
18.000 -3653
19.000 -3509
20.000 -3425
21.000 -3449
22.000 -3476



DATE 03 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

PAGE 34

(REF: 24)

1A69 C1 F1 MI (1) BASE REGIONS

MACH (3) = 1.503 ALPHA (3) = .070 RV/L = 9.800

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2674 |
| 2.000 | -.2465 |
| 3.000 | -.2571 |
| 4.000 | -.2581 |
| 5.000 | .0000 |
| 6.000 | -.3009 |
| 7.000 | -.3093 |
| 8.000 | -.3276 |
| 9.000 | -.0294 |
| 10.000 | -.0754 |
| 11.000 | -.3163 |
| 12.000 | -.3228 |
| 13.000 | -.2984 |
| 14.000 | .1478 |
| 15.000 | -.0142 |
| 16.000 | -.3434 |
| 17.000 | -.3504 |
| 18.000 | -.3572 |
| 19.000 | -.3441 |
| 20.000 | -.3340 |
| 21.000 | -.3322 |
| 22.000 | -.3413 |

MACH (3) = 1.503 ALPHA (4) = 1.990 RV/L = 9.800

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2598 |
| 2.000 | -.2428 |
| 3.000 | -.2581 |
| 4.000 | -.2553 |
| 5.000 | .0000 |
| 6.000 | -.2888 |
| 7.000 | -.2936 |
| 8.000 | -.3043 |
| 9.000 | -.0242 |
| 10.000 | -.0781 |
| 11.000 | -.3183 |
| 12.000 | -.3184 |
| 13.000 | -.2861 |
| 14.000 | .1757 |
| 15.000 | -.0285 |



TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(FF4854)

BASE REGIONS

1A68 C1 F1 M(1)

MACH (3) = 1.503 ALPHA (4) = 1.990

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO |
|--------------|
| 16.000 -3437 |
| 17.000 -3528 |
| 18.000 -3599 |
| 19.000 -3441 |
| 20.000 -3364 |
| 21.000 -3323 |
| 22.000 -3442 |

MACH (3) = 1.503 ALPHA (5) = 3.930 RV/L = 9.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO |
|--------------|
| 1.000 -2518 |
| 2.000 -2422 |
| 3.000 -2568 |
| 4.000 -2518 |
| 5.000 .0000 |
| 6.000 -2843 |
| 7.000 -2987 |
| 8.000 -2992 |
| 9.000 -0130 |
| 10.000 -0518 |
| 11.000 -3195 |
| 12.000 -3169 |
| 13.000 -2818 |
| 14.000 .1873 |
| 15.000 -0801 |
| 16.000 -3423 |
| 17.000 -3548 |
| 18.000 -3607 |
| 19.000 -3414 |
| 20.000 -3372 |
| 21.000 -3331 |
| 22.000 -3460 |

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(REF:LM)

1A68 C1 F1 MI(1) BASE REGIONS

MACH (4) = 1.991 ALPHA (1) = -3.910 RV/L = 13.800

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2033 |
| 2.000 | -.1991 |
| 3.000 | -.1936 |
| 4.000 | -.1961 |
| 5.000 | .0000 |
| 6.000 | -.2285 |
| 7.000 | -.2387 |
| 8.000 | -.2536 |
| 9.000 | -.0135 |
| 10.000 | -.0698 |
| 11.000 | -.2480 |
| 12.000 | -.2505 |
| 13.000 | -.2271 |
| 14.000 | .0895 |
| 15.000 | .0819 |
| 16.000 | -.2649 |
| 17.000 | -.2747 |
| 18.000 | -.2758 |
| 19.000 | -.2648 |
| 20.000 | -.2627 |
| 21.000 | -.2553 |
| 22.000 | -.2629 |

MACH (4) = 1.991 ALPHA (2) = -2.000 RV/L = 13.800

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2149 |
| 2.000 | -.2097 |
| 3.000 | -.2086 |
| 4.000 | -.2107 |
| 5.000 | .0000 |
| 6.000 | -.2244 |
| 7.000 | -.2303 |
| 8.000 | -.2455 |
| 9.000 | -.0129 |
| 10.000 | -.0659 |
| 11.000 | -.2376 |
| 12.000 | -.2434 |
| 13.000 | -.2253 |
| 14.000 | .1203 |
| 15.000 | .1126 |



DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

PAGE 41

(REFLECT)

BASE REGIONS

1A69 C1 F1 M1(1)

MACH (4) = 1.991 ALPHA (2) = -2.000

SECTION (1) BASE DEPENDENT VARIABLE CP

| X/L | 1.0000 |
|--------|--------|
| TAP NO | |
| 16.000 | -.2678 |
| 17.000 | -.2945 |
| 18.000 | -.2891 |
| 19.000 | -.2676 |
| 20.000 | -.2679 |
| 21.000 | -.2640 |
| 22.000 | -.2688 |

MACH (4) = 1.991 ALPHA (3) = -.020 RV/L = 13.800

SECTION (1) BASE DEPENDENT VARIABLE CP

| X/L | 1.0000 |
|--------|--------|
| TAP NO | |
| 1.000 | -.2298 |
| 2.000 | -.2295 |
| 3.000 | -.2231 |
| 4.000 | -.2229 |
| 5.000 | .0000 |
| 6.000 | -.2237 |
| 7.000 | -.2198 |
| 8.000 | -.2353 |
| 9.000 | -.0095 |
| 10.000 | -.0497 |
| 11.000 | -.2284 |
| 12.000 | -.2358 |
| 13.000 | -.2244 |
| 14.000 | .1725 |
| 15.000 | .1053 |
| 16.000 | -.2655 |
| 17.000 | -.3021 |
| 18.000 | -.2937 |
| 19.000 | -.2867 |
| 20.000 | -.2562 |
| 21.000 | -.2623 |
| 22.000 | -.2673 |

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF45E14)

1A68 C1 F1 M1(1) BASE REGIONS

MACH (4) = 1.991 ALPHA (4) = 1.910 RV/L = 13.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAF NC

1.000 -2302
2.000 -2287
3.000 -2240
4.000 -2240
5.000 .0000
6.000 -2134
7.000 -2166
8.000 -2309
9.000 -0062
10.000 -0435
11.000 -2254
12.000 -2344
13.000 -2148
14.000 -1929
15.000 -0860
16.000 -2598
17.000 -2968
18.000 -2857
19.000 -2603
20.000 -2571
21.000 -2531
22.000 -2603

MACH (4) = 1.991 ALPHA (5) = 3.850 RV/L = 13.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAF NC

1.000 -2263
2.000 -2191
3.000 -2249
4.000 -2239
5.000 .0000
6.000 -2088
7.000 -2113
8.000 -2240
9.000 -0036
10.000 -0227
11.000 -2225
12.000 -2419
13.000 -2525
14.000 -2160
15.000 -0235



TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4EJ4)

BASE REGIONS

1A68 C1 F1 M1(1)

DATE 01 OCT 74

MACH (4) = 1.991 ALPHA (5) = 3.850

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| TAP NO | CP |
|--------|--------|
| 16.000 | -.2577 |
| 17.000 | -.2938 |
| 18.000 | -.2808 |
| 19.000 | -.2601 |
| 20.000 | -.2521 |
| 21.000 | -.2504 |
| 22.000 | -.2534 |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

DATE 01 OCT 74

(REFS) (14 APR 74)

1A69 C1 F1 M1 (1) BASE REGIONS

PARAMETRIC DATA

ALPHA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

MACH (1) = .896 BETA (1) = -3.860 RV/L = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAF NO
 1.000 -2261
 2.000 -2211
 3.000 -2210
 4.000 -2006
 5.000 .0000
 6.000 -3305
 7.000 -3440
 8.000 -3777
 9.000 -3885
 10.000 -3451
 11.000 -3726
 12.000 -3648
 13.000 -3354
 14.000 -0531
 15.000 -3460
 16.000 -3638
 17.000 -3336
 18.000 -3745
 19.000 -3644
 20.000 -3543
 21.000 -3306
 22.000 -3710

MACH (1) = .896 BETA (2) = -1.880 RV/L = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAF NO
 1.000 -1999
 2.000 -1986
 3.000 -1977
 4.000 -1897
 5.000 .0000
 6.000 -3288
 7.000 -3313
 8.000 -3630



TABLATED SOURCE DATA, R.I. TWT 281 - 1A68

(REFLECT)

BASE REGIONS

1A68 C1 F1 M111

DATE 01 OCT 74

MACH (1) = .896 BETA (2) = -1.880

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAF NO |
|--------------|
| 9.000 -3684 |
| 10.000 -3526 |
| 11.000 -3626 |
| 12.000 -3574 |
| 13.000 -3265 |
| 14.000 -0546 |
| 15.000 -3218 |
| 16.000 -3534 |
| 17.000 -3135 |
| 18.000 -3609 |
| 19.000 -3534 |
| 20.000 -3421 |
| 21.000 -3148 |
| 22.000 -3565 |

MACH (1) = .896 BETA (3) = .000 RV/L = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAF NO |
|--------------|
| 1.000 -1902 |
| 2.000 -1919 |
| 3.000 -1835 |
| 4.000 -1608 |
| 5.000 .0000 |
| 6.000 -3624 |
| 7.000 -2724 |
| 8.000 -2852 |
| 9.000 -3859 |
| 10.000 -3524 |
| 11.000 -2922 |
| 12.000 -2974 |
| 13.000 -3350 |
| 14.000 -1470 |
| 15.000 -2419 |
| 16.000 -2948 |
| 17.000 -2758 |
| 18.000 -3154 |
| 19.000 -3005 |
| 20.000 -2786 |
| 21.000 -2561 |
| 22.000 -3015 |

DATE 03 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 C1 F1 M1 (1) BASE REGIONS

(TFASZT)

MACH (1) = .896 BETA (4) = 1.960 RV/L = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.1978
 2.000 -.1944
 3.000 -.1826
 4.000 -.1896
 5.000 .0000
 6.000 -.3105
 7.000 -.3025
 8.000 -.3228
 9.000 -.3927
 10.000 -.3715
 11.000 -.3291
 12.000 -.3379
 13.000 -.3556
 14.000 -.2067
 15.000 -.2523
 16.000 -.3027
 17.000 -.2876
 18.000 -.3216
 19.000 -.3048
 20.000 -.2870
 21.000 -.2587
 22.000 -.3076

MACH (1) = .896 BETA (5) = 3.910 RV/L = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2280
 2.000 -.2243
 3.000 -.2074
 4.000 -.2027
 5.000 .0000
 6.000 -.3214
 7.000 -.3311
 8.000 -.3532
 9.000 -.3937
 10.000 -.3807
 11.000 -.3539
 12.000 -.3646
 13.000 -.3877
 14.000 -.1753
 15.000 -.2647



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(PAGES)

1A68 C1 F1 M1(1) BASE REGIONS

MACH (1) = .896 BETA (3) = 3.910

SECTION (1) BASE

DEPENDENT VARIABLE OF

X/L 1.0000

| TAP NO | |
|--------|--------|
| 16.000 | -.2891 |
| 17.000 | -.2866 |
| 18.000 | -.3131 |
| 19.000 | -.2942 |
| 20.000 | -.2752 |
| 21.000 | -.2358 |
| 22.000 | -.3027 |

MACH (2) = 1.209 BETA (1) = -3.860 R/VL = 7.400

SECTION (1) BASE

DEPENDENT VARIABLE OF

X/L 1.0000

| TAP NO | |
|--------|--------|
| 1.000 | -.2918 |
| 2.000 | -.2876 |
| 3.000 | -.2985 |
| 4.000 | -.2860 |
| 5.000 | .0000 |
| 6.000 | -.3720 |
| 7.000 | -.3945 |
| 8.000 | -.4066 |
| 9.000 | -.0417 |
| 10.000 | -.0311 |
| 11.000 | -.4152 |
| 12.000 | -.4027 |
| 13.000 | -.3690 |
| 14.000 | .1600 |
| 15.000 | -.1727 |
| 16.000 | -.4589 |
| 17.000 | -.4749 |
| 18.000 | -.4784 |
| 19.000 | -.4668 |
| 20.000 | -.4421 |
| 21.000 | -.4470 |
| 22.000 | -.4593 |

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 231 - 1458

-FAL-25

BASE REGIONS

IAGS C1 F1 M1(1)

RV/L = 7.400

RV/L = -1.950

BETA (2) =

1.209

MACH (2) =

1.209

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2857
 2.000 -2795
 3.000 -2868
 4.000 -2755
 5.000 .0000
 6.000 -3544
 7.000 -3782
 8.000 -3750
 9.000 -0467
 10.000 -0778
 11.000 -4566
 12.000 -4019
 13.000 -3625
 14.000 .1391
 15.000 -1720
 16.000 -4476
 17.000 -4604
 18.000 -4630
 19.000 -4527
 20.000 -4316
 21.000 -4355
 22.000 -4460

RV/L = 7.400

RV/L = -0.040

BETA (3) =

1.209

MACH (2) =

1.209

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -12800
 2.000 -2756
 3.000 -2900
 4.000 -2781
 5.000 .0000
 6.000 -3519
 7.000 -3657
 8.000 -3742
 9.000 -0568
 10.000 -1016
 11.000 -4342
 12.000 -4072
 13.000 -3613
 14.000 .0711
 15.000 -11602



(GFA4026)

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

DATE 01 OCT 74

1A68 C1 F1 M1 (1) BASE REGIONS

MAC1 (2) = 1.209 BETA (3) = -.040

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | VALUE |
|--------|--------|
| 16.000 | -.4360 |
| 17.000 | -.4501 |
| 18.000 | -.4624 |
| 19.000 | -.4419 |
| 20.000 | -.4205 |
| 21.000 | -.4220 |
| 22.000 | -.4334 |

MAC1 (2) = 1.209 BETA (4) = 1.870 RV/L = 7.400

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | VALUE |
|--------|--------|
| 1.000 | -.2921 |
| 2.000 | -.2858 |
| 3.000 | -.2683 |
| 4.000 | -.2758 |
| 5.000 | .0000 |
| 6.000 | -.3514 |
| 7.000 | -.3788 |
| 8.000 | -.3778 |
| 9.000 | -.0384 |
| 10.000 | -.1220 |
| 11.000 | -.3843 |
| 12.000 | -.3905 |
| 13.000 | -.3868 |
| 14.000 | .0266 |
| 15.000 | -.1615 |
| 16.000 | -.4172 |
| 17.000 | -.4326 |
| 18.000 | -.4509 |
| 19.000 | -.4263 |
| 20.000 | -.4030 |
| 21.000 | -.3994 |
| 22.000 | -.4145 |

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TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(R4835)

1A68 C1 F1 M1 (1) BASE REGIONS

MACH (2) = 1.209 BETA (5) = 3.920 RV/L = 7.400

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.3079 |
| 2.000 | -.2939 |
| 3.000 | -.2935 |
| 4.000 | -.2919 |
| 5.000 | .0000 |
| 6.000 | -.3729 |
| 7.000 | -.3964 |
| 8.000 | -.4196 |
| 9.000 | -.0449 |
| 10.000 | -.1254 |
| 11.000 | -.4140 |
| 12.000 | -.4002 |
| 13.000 | -.4084 |
| 14.000 | -.0071 |
| 15.000 | -.1437 |
| 16.000 | -.4166 |
| 17.000 | -.4246 |
| 18.000 | -.4405 |
| 19.000 | -.4264 |
| 20.000 | -.3996 |
| 21.000 | -.3949 |
| 22.000 | -.4130 |

MACH (3) = 1.503 BETA (1) = -3.970 RV/L = 9.800

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.6323 |
| 2.000 | -.2489 |
| 3.000 | -.2628 |
| 4.000 | -.2588 |
| 5.000 | .0000 |
| 6.000 | -.3064 |
| 7.000 | -.3204 |
| 8.000 | -.3398 |
| 9.000 | -.0152 |
| 10.000 | -.0565 |
| 11.000 | -.3410 |
| 12.000 | -.3409 |
| 13.000 | -.3047 |
| 14.000 | .2561 |
| 15.000 | -.0068 |



TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(7F4E26)

1A68 CI F1 M1(1) BASE REGIONS

MACH (3) = 1.503 BETA (1) = -3.970

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|--------|
| 16.000 | -.3544 |
| 17.000 | -.3678 |
| 18.000 | -.3777 |
| 19.000 | -.3554 |
| 20.000 | -.3487 |
| 21.000 | -.3451 |
| 22.000 | -.3560 |

MACH (3) = 1.503 BETA (2) = -2.050 RM/L = 9.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|--------|
| 1.000 | -.6323 |
| 2.000 | -.2418 |
| 3.000 | -.2560 |
| 4.000 | -.2521 |
| 5.000 | .0000 |
| 6.000 | -.2913 |
| 7.000 | -.3038 |
| 8.000 | -.3109 |
| 9.000 | -.0227 |
| 10.000 | -.0653 |
| 11.000 | -.3249 |
| 12.000 | -.3204 |
| 13.000 | -.2890 |
| 14.000 | .1963 |
| 15.000 | -.0076 |
| 16.000 | -.3494 |
| 17.000 | -.3592 |
| 18.000 | -.3650 |
| 19.000 | -.3500 |
| 20.000 | -.3413 |
| 21.000 | -.3391 |
| 22.000 | -.3484 |

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A69

(7F46J5)

IA68 C1 F1 M1 (1) BASE REGIONS

MACH (3) = 1.503 BETA (3) = -.130 RV/L = 9.800

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.6323 |
| 2.000 | -.2477 |
| 3.000 | -.2559 |
| 4.000 | -.2569 |
| 5.000 | .0000 |
| 6.000 | -.3012 |
| 7.000 | -.3106 |
| 8.000 | -.3291 |
| 9.000 | -.0269 |
| 10.000 | -.0733 |
| 11.000 | -.3159 |
| 12.000 | -.3229 |
| 13.000 | -.2989 |
| 14.000 | .1468 |
| 15.000 | -.0142 |
| 16.000 | -.3417 |
| 17.000 | -.3485 |
| 18.000 | -.3555 |
| 19.000 | -.3424 |
| 20.000 | -.3318 |
| 21.000 | -.3304 |
| 22.000 | -.3398 |

MACH (3) = 1.503 BETA (4) = 1.800 RV/L = 9.800

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.6323 |
| 2.000 | -.2545 |
| 3.000 | -.2463 |
| 4.000 | -.2554 |
| 5.000 | .0000 |
| 6.000 | -.2944 |
| 7.000 | -.3045 |
| 8.000 | -.3169 |
| 9.000 | -.0242 |
| 10.000 | -.1084 |
| 11.000 | -.3091 |
| 12.000 | -.3210 |
| 13.000 | -.3199 |
| 14.000 | .1060 |
| 15.000 | .0044 |

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TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4505)

BASE REGIONS

1A68 C1 F1 M1 (1)

MA01 (3) = 1.503 BETA (4) = 1.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
16.000 -.3337
17.000 -.3409
18.000 -.3651
19.000 -.3345
20.000 -.3260
21.000 -.3207
22.000 -.3308

MA01 (3) = 1.503 BETA (5) = 3.840 RV/L = 9.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 -.6323
2.000 -.2761
3.000 -.2629
4.000 -.2652
5.000 .0000
6.000 -.2967
7.000 -.3090
8.000 -.3378
9.000 .0094
10.000 -.1289
11.000 -.3082
12.000 -.3202
13.000 -.3193
14.000 .1332
15.000 .0225
16.000 -.3264
17.000 -.3339
18.000 -.3482
19.000 -.3308
20.000 -.3200
21.000 -.3141
22.000 -.3234

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(F46L6)

1A68 C1 F1 M1 (1) BASE REGIONS

MACH (4) = 1.991 BETA (1) = -3.790 RV/L = 13.800

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2411
 2.000 -.2428
 3.000 -.2354
 4.000 -.2186
 5.000 .0000
 6.000 -.2287
 7.000 -.2288
 8.000 -.2413
 9.000 -.0051
 10.000 -.0398
 11.000 -.2355
 12.000 -.2334
 13.000 -.2239
 14.000 .2366
 15.000 .1064
 16.000 -.2787
 17.000 -.3053
 18.000 -.2935
 19.000 -.2782
 20.000 -.2736
 21.000 -.2693
 22.000 -.2785

MACH (4) = 1.991 BETA (2) = -1.870 RV/L = 13.800

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2456
 2.000 -.2489
 3.000 -.2348
 4.000 -.2192
 5.000 .0000
 6.000 -.2233
 7.000 -.2225
 8.000 -.2337
 9.000 -.0070
 10.000 -.0534
 11.000 -.2277
 12.000 -.2263
 13.000 -.2227
 14.000 .2322
 15.000 .0459



(GF4505)

TABLATED SOURCE DATA, R.I. TWT 281 - 1A68

BASE REGIONS

1A68 C1 F1 M(1)

MACH (4) = 1.991 BETA (2) = -1.870

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

16.000 -2774
17.000 -3073
18.000 -2958
19.000 -2776
20.000 -2720
21.000 -2661
22.000 -2757

MACH (4) = 1.991 BETA (3) = -.010 RV/L = 13.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2455
2.000 -2582
3.000 -2909
4.000 -2220
5.000 .0000
6.000 -2159
7.000 -2220
8.000 -2296
9.000 -.0079
10.000 -.0805
11.000 -.2253
12.000 -.2246
13.000 -.2214
14.000 .1805
15.000 .1221
16.000 -.2671
17.000 -.3023
18.000 -.2946
19.000 -.2678
20.000 -.2675
21.000 -.2630
22.000 -.2685

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TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(3F4EJF)

BASE REGIONS

1A68 C1 F1 M1(1)

RVL = 13.800

MACH (4) = 1.991 BETA (4) = 1.950

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2406
2.000 -2427
3.000 -2307
4.000 -2269
5.000 .0000
6.000 -2166
7.000 -2166
8.000 -2137
9.000 -2057
10.000 -1804
11.000 -2219
12.000 -2189
13.000 -2208
14.000 -1507
15.000 -1894
16.000 -2559
17.000 -2834
18.000 -2788
19.000 -2532
20.000 -2554
21.000 -2491
22.000 -2570

RVL = 13.800

MACH (4) = 1.991 BETA (5) = 3.790

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2317
2.000 -2289
3.000 -2262
4.000 -2198
5.000 .0000
6.000 -2202
7.000 -2167
8.000 -2173
9.000 .0052
10.000 -0775
11.000 -2230
12.000 -2202
13.000 -2199
14.000 .0943
15.000 .1657



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(2FASUS)

BASE REGIONS

1A68 C1 F1 M1(1)

MACH (4) = 1.991 BETA (5) = 3.790

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|--------|
| 16.000 | -.2419 |
| 17.000 | -.2529 |
| 18.000 | -.2608 |
| 19.000 | -.2407 |
| 20.000 | -.2383 |
| 21.000 | -.2318 |
| 22.000 | -.2412 |

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A58

PAGE 14

(24500) (19 SEP 74)

1A68 C1 F1 M2(1) BASE REGIONS

REFERENCE DATA

SREF = 2690.0000 SAJFT. XREF = .0000
 LREF = 1328.3000 IN. YREF = .0000
 BREF = 1328.3000 IN. ZREF = .0000
 SCALE = .0240

PARAMETRIC DATA

BETA = .000

MACH (1) = .896 ALPHA (1) = .000 RV/L = 6.500

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO

1.000 -.2034
 2.000 -.1989
 3.000 -.1869
 4.000 -.1844
 5.000 .0000
 6.000 -.3521
 7.000 -.2737
 8.000 -.2847
 9.000 -.4156
 10.000 -.3716
 11.000 -.2938
 12.000 -.3090
 13.000 -.3331
 14.000 -.1131
 15.000 -.2741
 16.000 -.2782
 17.000 -.2834
 18.000 -.3166
 19.000 -.2860
 20.000 -.2632
 21.000 -.2430
 22.000 -.2962

MACH (2) = 1.223 ALPHA (1) = .000 RV/L = 7.300

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO

1.000 -.2967
 2.000 -.2866
 3.000 -.2895
 4.000 -.2858
 5.000 .0000
 6.000 -.3629
 7.000 -.3802
 8.000 -.3891



(BP4E26)

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

BASE REGIONS

1A68 C1 F1 M2(1)

MACH (2) = 1.223 ALPHA (1) = .000

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|--------|
| 9.000 | -.1138 |
| 10.000 | -.1432 |
| 11.000 | -.4074 |
| 12.000 | -.4091 |
| 13.000 | -.3748 |
| 14.000 | .0900 |
| 15.000 | -.1554 |
| 16.000 | -.4299 |
| 17.000 | -.4480 |
| 18.000 | -.4546 |
| 19.000 | -.4403 |
| 20.000 | -.4165 |
| 21.000 | -.4132 |
| 22.000 | -.4350 |

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

PAGE 60

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

(REF 4807) (18 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XGRP = .0000
 LREF = 1328.3000 IN. YGRP = .0000
 BREF = 1328.3000 IN. ZGRP = .0000
 SCALE = .0040

MACH (1) = .896 ALPHA (1) = -3.870 RV/L = 6.600

SECTION (1) BASE

DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO

1.000 -1.2241
 2.000 -1.2280
 3.000 -1.2171
 4.000 -1.2070
 5.000 .0000
 6.000 -1.3393
 7.000 -1.3217
 8.000 -1.3591
 9.000 -1.4711
 10.000 -1.4160
 11.000 -1.3636
 12.000 -1.3672
 13.000 -1.3834
 14.000 -1.1969
 15.000 -1.2368
 16.000 -1.3472
 17.000 -1.3017
 18.000 -1.3377
 19.000 -1.3522
 20.000 -1.3334
 21.000 -1.3140
 22.000 -1.3531

MACH (1) = .896 ALPHA (2) = -1.920 RV/L = 6.600

SECTION (1) BASE

DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO

1.000 -1.2075
 2.000 -1.2127
 3.000 -1.2006
 4.000 -1.1912
 5.000 .0000
 6.000 -1.3589
 7.000 -1.2895
 8.000 -1.2969

PARAMETRIC DATA

BETA = .000



DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 281 - 1A63
 1A68 C1 F1 M2(1) + FILLET BASE REGIONS

(284077)

MACH (1) = .896 ALPHA (2) = -1.920

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 9.000 | -.4301 |
| 10.000 | -.3603 |
| 11.000 | -.3061 |
| 12.000 | -.3377 |
| 13.000 | -.3703 |
| 14.000 | -.1912 |
| 15.000 | -.1826 |
| 16.000 | -.3442 |
| 17.000 | -.3190 |
| 18.000 | -.3620 |
| 19.000 | -.3506 |
| 20.000 | -.3300 |
| 21.000 | -.3088 |
| 22.000 | -.3497 |

MACH (1) = .896 ALPHA (3) = .000 RV/L = 6.600

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.1994 |
| 2.000 | -.2099 |
| 3.000 | -.1927 |
| 4.000 | -.1829 |
| 5.000 | .0000 |
| 6.000 | -.3462 |
| 7.000 | -.2687 |
| 8.000 | -.2655 |
| 9.000 | -.4054 |
| 10.000 | -.3321 |
| 11.000 | -.2744 |
| 12.000 | -.2936 |
| 13.000 | -.3292 |
| 14.000 | -.1614 |
| 15.000 | -.1292 |
| 16.000 | -.3241 |
| 17.000 | -.3097 |
| 18.000 | -.3489 |
| 19.000 | -.3306 |
| 20.000 | -.3090 |
| 21.000 | -.2861 |
| 22.000 | -.3322 |

REF-7)

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (1) = .896 ALPHA (4) = 1.890 RV/L = 6.600

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2000
2.000 -2035
3.000 -1953
4.000 -1893
5.000 .0000
6.000 -2974
7.000 -2877
8.000 -3112
9.000 -3357
10.000 -3286
11.000 -3132
12.000 -3123
13.000 -2983
14.000 -1345
15.000 -1009
16.000 -3227
17.000 -3248
18.000 -3512
19.000 -3265
20.000 -3129
21.000 -2863
22.000 -3392

MACH (1) = .896 ALPHA (5) = 3.790 RV/L = 6.600

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2250
2.000 -2024
3.000 -2122
4.000 -1976
5.000 .0000
6.000 -2982
7.000 -3567
8.000 -3323
9.000 -3691
10.000 -3114
11.000 -3345
12.000 -3329
13.000 -3046
14.000 -1045
15.000 -1136



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(GF4ED77)

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MA-1 (1) = .696 ALPHA (5) = 3.790

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

16.000 -.3362
17.000 -.3504
18.000 -.3697
19.000 -.3360
20.000 -.3282
21.000 -.3046
22.000 -.3579

MA01 (2) = 1.206 ALPHA (1) = -3.950 RV/L = 7.400

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.3248
2.000 -.3198
3.000 -.3197
4.000 -.2974
5.000 .0000
6.000 -.3973
7.000 -.4137
8.000 -.4272
9.000 -.1705
10.000 -.0948
11.000 -.4163
12.000 -.4127
13.000 -.4115
14.000 .0515
15.000 -.0578
16.000 -.4446
17.000 -.4282
18.000 -.4578
19.000 -.4464
20.000 -.4354
21.000 -.4158
22.000 -.4430

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TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

(RESULTS)

MACH (2) = 1.206 ALPHA (2) = -2.000 RV/L = 7.400

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|--------|
| 1.000 | -.3006 |
| 2.000 | -.2922 |
| 3.000 | -.2976 |
| 4.000 | -.2772 |
| 5.000 | .0000 |
| 6.000 | -.3835 |
| 7.000 | -.3973 |
| 8.000 | -.4060 |
| 9.000 | -.1384 |
| 10.000 | -.0924 |
| 11.000 | -.4043 |
| 12.000 | -.3966 |
| 13.000 | -.3939 |
| 14.000 | .0555 |
| 15.000 | -.0551 |
| 16.000 | -.4334 |
| 17.000 | -.4372 |
| 18.000 | -.4573 |
| 19.000 | -.4391 |
| 20.000 | -.4208 |
| 21.000 | -.4057 |
| 22.000 | -.4327 |

MACH (2) = 1.206 ALPHA (3) = -.070 RV/L = 7.400

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|--------|
| 1.000 | -.2878 |
| 2.000 | -.2759 |
| 3.000 | -.2887 |
| 4.000 | -.2717 |
| 5.000 | .0000 |
| 6.000 | -.3695 |
| 7.000 | -.3713 |
| 8.000 | -.3923 |
| 9.000 | -.1199 |
| 10.000 | -.0927 |
| 11.000 | -.4009 |
| 12.000 | -.3941 |
| 13.000 | -.3744 |
| 14.000 | .0643 |
| 15.000 | -.0172 |



DATE 01 OCT 74 TABULATED SOURCE DATA, R.J. TWT 281 - 1468

(REPEAT)

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (2) = 1.206 ALPHA (3) = -.070

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 16.000 | -.4230 |
| 17.000 | -.4386 |
| 18.000 | -.4535 |
| 19.000 | -.4298 |
| 20.000 | -.4092 |
| 21.000 | -.4007 |
| 22.000 | -.4240 |

MACH (2) = 1.206 ALPHA (4) = 1.870 RV/L = 7.400

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2817 |
| 2.000 | -.2753 |
| 3.000 | -.2881 |
| 4.000 | -.2770 |
| 5.000 | .0000 |
| 6.000 | -.3559 |
| 7.000 | -.3569 |
| 8.000 | -.3945 |
| 9.000 | -.0939 |
| 10.000 | -.0385 |
| 11.000 | -.4053 |
| 12.000 | -.4009 |
| 13.000 | -.3984 |
| 14.000 | .0549 |
| 15.000 | .0770 |
| 16.000 | -.3966 |
| 17.000 | -.4158 |
| 18.000 | -.4232 |
| 19.000 | -.4597 |
| 20.000 | -.3835 |
| 21.000 | -.3843 |
| 22.000 | -.4025 |



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

(854537)

1A69 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (2) = 1.206 ALPHA (5) = 3.850 RV/L = 7.400

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2687
2.000 -.2757
3.000 -.2956
4.000 -.2817
5.000 .0000
6.000 -.3528
7.000 -.3492
8.000 -.3750
9.000 -.0505
10.000 -.0224
11.000 -.3958
12.000 -.4031
13.000 -.3672
14.000 .0682
15.000 .0601
16.000 -.4030
17.000 -.4288
18.000 -.4220
19.000 -.4164
20.000 -.3941
21.000 -.4032
22.000 -.4024

MACH (3) = 1.503 ALPHA (1) = -3.850 RV/L = 9.500

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2481
2.000 -.2710
3.000 -.2533
4.000 -.2299
5.000 .0000
6.000 -.3105
7.000 -.3250
8.000 -.3393
9.000 -.0999
10.000 -.5812
11.000 -.3316
12.000 -.3442
13.000 -.3320
14.000 .5849
15.000 -.0042



DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

PAGE 67

1A68 CI F1 M2(1) + FILLET BASE REGIONS

(RF45J7)

MACH (3) = 1.503 ALPHA (1) = -3.850

SECTION (1) BASE

DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

| | |
|--------|--------|
| 16.000 | -.3593 |
| 17.000 | -.3872 |
| 18.000 | -.3918 |
| 19.000 | -.3632 |
| 20.000 | -.3492 |
| 21.000 | -.3428 |
| 22.000 | -.3611 |

MACH (3) = 1.503 ALPHA (2) = -1.900

RVL = 9.600

SECTION (1) BASE

DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

| | |
|--------|--------|
| 1.000 | -.2576 |
| 2.000 | -.2716 |
| 3.000 | -.2549 |
| 4.000 | -.2378 |
| 5.000 | .0000 |
| 6.000 | -.3135 |
| 7.000 | -.3248 |
| 8.000 | -.3348 |
| 9.000 | -.0798 |
| 10.000 | -.0801 |
| 11.000 | -.3309 |
| 12.000 | -.3352 |
| 13.000 | -.3295 |
| 14.000 | .0879 |
| 15.000 | .0151 |
| 16.000 | -.3526 |
| 17.000 | -.3709 |
| 18.000 | -.3917 |
| 19.000 | -.3541 |
| 20.000 | -.3443 |
| 21.000 | -.3404 |
| 22.000 | -.3516 |

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(REF 4537)

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (3) = 1.503 ALPHA (3) = .010 RV/L = 9.600

SECTION (1) BASE
DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

1.000 -2585
2.000 -2633
3.000 -2523
4.000 -2437
5.000 .0000
6.000 -3105
7.000 -3164
8.000 -3309
9.000 -0614
10.000 -0456
11.000 -3213
12.000 .3244
13.000 -3237
14.000 .1042
15.000 .0336
16.000 -3336
17.000 -3652
18.000 -3826
19.000 -3552
20.000 -3448
21.000 -3396
22.000 -3519

MACH (3) = 1.503 ALPHA (4) = 1.940 RV/L = 9.600

SECTION (1) BASE
DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

1.000 -2539
2.000 -2447
3.000 -2543
4.000 -2541
5.000 .0000
6.000 -3954
7.000 -3130
8.000 -3312
9.000 -0378
10.000 -0080
11.000 -3274
12.000 -3371
13.000 -3364
14.000 .1368
15.000 .0517



DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68
 1A68 C1 F1 M2(1) + FILLET BASE REGIONS
 (34527)

MACH (3) = 1.503 ALPHA (4) = 1.940

SECTION (1) BASE
 DEPENDENT VARIABLE OF

X/L 1.0000

| TAP NO | |
|--------|--------|
| 16.000 | -.3402 |
| 17.000 | -.3554 |
| 18.000 | -.3595 |
| 19.000 | -.3442 |
| 20.000 | -.3317 |
| 21.000 | -.3340 |
| 22.000 | -.3439 |

MACH (3) = 1.503 ALPHA (5) = 3.810 RM/L = 9.600

SECTION (1) BASE
 DEPENDENT VARIABLE OF

X/L 1.0000

| TAP NO | |
|--------|--------|
| 1.000 | -.2441 |
| 2.000 | -.2314 |
| 3.000 | -.2521 |
| 4.000 | -.2515 |
| 5.000 | .0000 |
| 6.000 | -.2932 |
| 7.000 | -.2994 |
| 8.000 | -.3173 |
| 9.000 | -.0124 |
| 10.000 | .0073 |
| 11.000 | -.3228 |
| 12.000 | -.3270 |
| 13.000 | -.2967 |
| 14.000 | .1815 |
| 15.000 | .0573 |
| 16.000 | -.3357 |
| 17.000 | -.3596 |
| 18.000 | -.3633 |
| 19.000 | -.3428 |
| 20.000 | -.3277 |
| 21.000 | -.3289 |
| 22.000 | -.3439 |

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

PAGE 70

(3F4507)

1A69 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (4) = 1.991 ALPHA (1) = -4.080 RVL = 10.600

SECTION (1) BASE

DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

1.000 -.2236
 2.000 -.2205
 3.000 -.1983
 4.000 -.2038
 5.000 .0000
 6.000 -.2405
 7.000 -.2319
 8.000 -.2350
 9.000 -.0511
 10.000 -.0023
 11.000 -.2305
 12.000 -.2360
 13.000 -.2359
 14.000 .1641
 15.000 .1453
 16.000 -.2441
 17.000 -.2585
 18.000 -.2600
 19.000 -.2461
 20.000 -.2372
 21.000 -.2393
 22.000 -.2432

MACH (4) = 1.991 ALPHA (2) = -1.900 RVL = 10.600

SECTION (1) BASE

DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

1.000 -.2298
 2.000 -.2250
 3.000 -.2029
 4.000 -.2046
 5.000 .0000
 6.000 -.2282
 7.000 -.2273
 8.000 -.2365
 9.000 -.0360
 10.000 -.0117
 11.000 -.2362
 12.000 -.2545
 13.000 -.2220
 14.000 .1649
 15.000 .1293



(REF 4807)

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68
1A68 C1 F1 M2(1) + FILLET BASE REGIONS

DATE 01 OCT 74

MACH (4) = 1.991 ALPHA (2) = -1.900

SECTION (1) BASE
DEPENDENT VARIABLE OF

X/L 1.0000

| TAP NO | VALUE |
|--------|--------|
| 16.000 | -.2485 |
| 17.000 | -.2643 |
| 18.000 | -.2632 |
| 19.000 | -.2487 |
| 20.000 | -.2419 |
| 21.000 | -.2406 |
| 22.000 | -.2459 |

MACH (4) = 1.991 ALPHA (3) = .100 RV/L = 10.600

SECTION (1) BASE
DEPENDENT VARIABLE OF

X/L 1.0000

| TAP NO | VALUE |
|--------|--------|
| 1.000 | -.2234 |
| 2.000 | -.2166 |
| 3.000 | -.2124 |
| 4.000 | -.2145 |
| 5.000 | .0000 |
| 6.000 | -.2223 |
| 7.000 | -.2243 |
| 8.000 | -.2356 |
| 9.000 | -.0239 |
| 10.000 | .0129 |
| 11.000 | -.2309 |
| 12.000 | -.2509 |
| 13.000 | -.2193 |
| 14.000 | .1621 |
| 15.000 | .1413 |
| 16.000 | -.2583 |
| 17.000 | -.2956 |
| 18.000 | -.2840 |
| 19.000 | -.2589 |
| 20.000 | -.2554 |
| 21.000 | -.2537 |
| 22.000 | -.2590 |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(REF 507)

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (4) = 1.991 ALPHA (4) = 2.120 RV/L = 10.600

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| TAP NO |
|--------|
| 1.000 |
| 2.000 |
| 3.000 |
| 4.000 |
| 5.000 |
| 6.000 |
| 7.000 |
| 8.000 |
| 9.000 |
| 10.000 |
| 11.000 |
| 12.000 |
| 13.000 |
| 14.000 |
| 15.000 |
| 16.000 |
| 17.000 |
| 18.000 |
| 19.000 |
| 20.000 |
| 21.000 |
| 22.000 |

MACH (4) = 1.991 ALPHA (5) = 4.070 RV/L = 10.600

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| TAP NO |
|--------|
| 1.000 |
| 2.000 |
| 3.000 |
| 4.000 |
| 5.000 |
| 6.000 |
| 7.000 |
| 8.000 |
| 9.000 |
| 10.000 |
| 11.000 |
| 12.000 |
| 13.000 |
| 14.000 |
| 15.000 |



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(3F4507)

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (4) = 1.991 ALPHA (5) = 4.070

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

| TAP NO | CP |
|--------|--------|
| 16.000 | -.2483 |
| 17.000 | -.2797 |
| 18.000 | -.2738 |
| 19.000 | -.2519 |
| 20.000 | -.2474 |
| 21.000 | -.2418 |
| 22.000 | -.2497 |

1A68 C1 F1 M2(1) + FILLET BASE REGIONS



TABULATED SOURCE DATA, R.I. TWT 281 - 1A68
1A68 C1 F1 M2(1) + FILLET BASE REGIONS

DATE 01 OCT /4

FACE METRIC DATA

ALPHA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1328.3000 IN. YMRP = .0000
BREF = 1328.3000 IN. ZMRP = .0000
SCALE = .0040

MACH (1) = .896 BETA (1) = -3.930 RAVL = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2403 |
| 2.000 | -.2370 |
| 3.000 | -.2334 |
| 4.000 | -.2187 |
| 5.000 | .0000 |
| 6.000 | -.3310 |
| 7.000 | -.3469 |
| 8.000 | -.3734 |
| 9.000 | -.4269 |
| 10.000 | -.3569 |
| 11.000 | -.3650 |
| 12.000 | -.3564 |
| 13.000 | -.3305 |
| 14.000 | -.0324 |
| 15.000 | -.2850 |
| 16.000 | -.3932 |
| 17.000 | -.3402 |
| 18.000 | -.3939 |
| 19.000 | -.3919 |
| 20.000 | -.3942 |
| 21.000 | -.3534 |
| 22.000 | -.3920 |

MACH (1) = .896 BETA (2) = -1.950 RAVL = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2207 |
| 2.000 | -.2206 |
| 3.000 | -.2161 |
| 4.000 | -.2037 |
| 5.000 | .0000 |
| 6.000 | -.3062 |
| 7.000 | -.3163 |
| 8.000 | -.3404 |



TABULATED SOURCE DATA, R.I. TMT 281 - 1A69

REF: 2001

1A69 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (1) = .896 BETA (2) = -1.950

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|--------|
| 9.000 | -.4136 |
| 10.000 | -.3370 |
| 11.000 | -.3357 |
| 12.000 | -.3288 |
| 13.000 | -.3065 |
| 14.000 | -.0781 |
| 15.000 | -.1667 |
| 16.000 | -.3639 |
| 17.000 | -.3259 |
| 18.000 | -.3714 |
| 19.000 | -.3626 |
| 20.000 | -.3530 |
| 21.000 | -.3244 |
| 22.000 | -.3663 |

MACH (1) = .896 BETA (3) = -.000 INV/L = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|--------|
| 1.000 | -.2020 |
| 2.000 | -.2123 |
| 3.000 | -.1972 |
| 4.000 | -.1840 |
| 5.000 | .0000 |
| 6.000 | -.3450 |
| 7.000 | -.2665 |
| 8.000 | -.2732 |
| 9.000 | -.4061 |
| 10.000 | -.3299 |
| 11.000 | -.2782 |
| 12.000 | -.2936 |
| 13.000 | -.3247 |
| 14.000 | -.1551 |
| 15.000 | -.1236 |
| 16.000 | -.3232 |
| 17.000 | -.3079 |
| 18.000 | -.3479 |
| 19.000 | -.3313 |
| 20.000 | -.3793 |
| 21.000 | -.2459 |
| 22.000 | -.3311 |



DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A63

1A63 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (1) = .896 BETA (4) = 1.880 RVL = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.1954
2.000 -.2024
3.000 -.1963
4.000 -.1765
5.000 .0000
6.000 -.3431
7.000 -.2759
8.000 -.2752
9.000 -.4035
10.000 -.3324
11.000 -.2934
12.000 -.3288
13.000 -.3563
14.000 -.1820
15.000 -.1285
16.000 -.3163
17.000 -.3245
18.000 -.3477
19.000 -.3249
20.000 -.3025
21.000 -.2806
22.000 -.3309

MACH (1) = .896 BETA (5) = 3.810 RVL = 6.700

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.2104
2.000 -.2128
3.000 -.1920
4.000 -.1817
5.000 .0000
6.000 -.3176
7.000 -.3109
8.000 -.3339
9.000 -.4120
10.000 -.3397
11.000 -.3450
12.000 -.3548
13.000 -.3750
14.000 -.1763
15.000 -.1364



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF480R)

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (1) = .896 BETA (5) = 3.810

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO
16.000 -2924
17.000 -3028
18.000 -3230
19.000 -2386
20.000 -2774
21.000 -2489
22.000 -3104

MACH (2) = 1.210 BETA (1) = -3.880 RV/L = 7.500

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 -3063
2.000 -2983
3.000 -3040
4.000 -2794
5.000 .0000
6.000 -3680
7.000 -3699
8.000 -4006
9.000 -1317
10.000 -0833
11.000 -4036
12.000 -3956
13.000 -3572
14.000 .2009
15.000 -.0274
16.000 -.4614
17.000 -.4765
18.000 -.4925
19.000 -.4692
20.000 -.4483
21.000 -.4405
22.000 -.4655



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

REF: 1A69

1A69 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (2) = 1.210 BETA (2) = -1.830 RV/L = 7.500

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| TAF NO | |
|--------|--------|
| 1.000 | -.2848 |
| 2.000 | -.2809 |
| 3.000 | -.2834 |
| 4.000 | -.2638 |
| 5.000 | .0000 |
| 6.000 | -.3493 |
| 7.000 | -.3637 |
| 8.000 | -.3872 |
| 9.000 | -.1231 |
| 10.000 | -.0839 |
| 11.000 | -.4023 |
| 12.000 | -.3988 |
| 13.000 | -.3538 |
| 14.000 | .1109 |
| 15.000 | -.0659 |
| 16.000 | -.4390 |
| 17.000 | -.4509 |
| 18.000 | -.4722 |
| 19.000 | -.4461 |
| 20.000 | -.4256 |
| 21.000 | -.4179 |
| 22.000 | -.4400 |

MACH (2) = 1.210 BETA (3) = .140 RV/L = 7.500

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| TAF NO | |
|--------|--------|
| 1.000 | -.2868 |
| 2.000 | -.2759 |
| 3.000 | -.2875 |
| 4.000 | -.2670 |
| 5.000 | .0000 |
| 6.000 | -.3673 |
| 7.000 | -.3731 |
| 8.000 | -.3872 |
| 9.000 | -.1181 |
| 10.000 | -.0921 |
| 11.000 | -.3951 |
| 12.000 | -.3868 |
| 13.000 | -.3772 |
| 14.000 | .0629 |
| 15.000 | -.0251 |



DATE 03 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(CP4EUB)

1A68 CI F1 M2(1) + FILLET BASE REGIONS

MAO1 (2) = 1.210 BETA (3) = .140

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO
16.000 -.4168
17.000 -.4269
18.000 -.4498
19.000 -.4255
20.000 -.4023
21.000 -.3958
22.000 -.4176

MAO1 (2) = 1.210 BETA (4) = 2.130 RV/L = 7.500

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO
1.000 -.3058
2.000 -.2986
3.000 -.2906
4.000 -.2710
5.000 .0000
6.000 -.3651
7.000 -.3785
8.000 -.3907
9.000 -.1283
10.000 -.0930
11.000 -.3957
12.000 -.3858
13.000 -.3911
14.000 .0614
15.000 -.0244
16.000 -.4007
17.000 -.4140
18.000 -.4329
19.000 -.4112
20.000 -.3862
21.000 -.3806
22.000 -.4010



(744-3)

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

1A69 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (2) = 1.210 BETA (5) = 4.070 RVL = 7.500

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| TAP NO | CP |
|--------|--------|
| 1.000 | -.3383 |
| 2.000 | -.3382 |
| 3.000 | -.3092 |
| 4.000 | -.2920 |
| 5.000 | .0000 |
| 6.000 | -.3692 |
| 7.000 | -.3756 |
| 8.000 | -.3952 |
| 9.000 | -.0821 |
| 10.000 | -.0934 |
| 11.000 | -.4036 |
| 12.000 | -.4001 |
| 13.000 | -.4047 |
| 14.000 | .0374 |
| 15.000 | -.0404 |
| 16.000 | -.3876 |
| 17.000 | -.4055 |
| 18.000 | -.4211 |
| 19.000 | -.4028 |
| 20.000 | -.3699 |
| 21.000 | -.3703 |
| 22.000 | -.3910 |

MACH (3) = 1.991 BETA (1) = -3.800 RVL = 10.600

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| TAP NO | CP |
|--------|--------|
| 1.000 | -.2206 |
| 2.000 | -.2263 |
| 3.000 | -.2028 |
| 4.000 | -.2130 |
| 5.000 | .0000 |
| 6.000 | -.2303 |
| 7.000 | -.2297 |
| 8.000 | -.2413 |
| 9.000 | -.0319 |
| 10.000 | -.0204 |
| 11.000 | -.2416 |
| 12.000 | -.2542 |
| 13.000 | -.2314 |
| 14.000 | .2213 |
| 15.000 | .1027 |

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(REAR)

1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (3) = 1.991 BETA (1) = -3.800

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

16.000 -.2808
 17.000 -.3070
 18.000 -.2987
 19.000 -.2821
 20.000 -.2760
 21.000 -.2739
 22.000 -.2794

MACH (3) = 1.991 BETA (2) = -1.760 RV/L = 10.600

SECTION (1) BASE DEPENDENT VARIABLE CP

X/L 1.0000

TAP NO

1.000 -.2141
 2.000 -.2154
 3.000 -.2055
 4.000 -.2107
 5.000 .0000
 6.000 -.2219
 7.000 -.2201
 8.000 -.2337
 9.000 -.0268
 10.000 -.0036
 11.000 -.2301
 12.000 -.2473
 13.000 -.2189
 14.000 .1837
 15.000 .1222
 16.000 -.2717
 17.000 -.3019
 18.000 -.2928
 19.000 -.2722
 20.000 -.2669
 21.000 -.2651
 22.000 -.2722

(RF4502)

DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68
 1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (3) = 1.991 BETA (3) = .210 RV/L = 10.600

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2242 |
| 2.000 | -.2153 |
| 3.000 | -.2104 |
| 4.000 | -.2146 |
| 5.000 | .0000 |
| 6.000 | -.2214 |
| 7.000 | -.2254 |
| 8.000 | -.2355 |
| 9.000 | -.0249 |
| 10.000 | .0130 |
| 11.000 | -.2314 |
| 12.000 | -.2521 |
| 13.000 | -.2162 |
| 14.000 | .1611 |
| 15.000 | .1523 |
| 16.000 | -.2592 |
| 17.000 | -.2973 |
| 18.000 | -.2862 |
| 19.000 | -.2593 |
| 20.000 | -.2556 |
| 21.000 | -.2541 |
| 22.000 | -.2601 |

MACH (3) = 1.991 BETA (4) = 2.160 RV/L = 10.600

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2337 |
| 2.000 | -.2319 |
| 3.000 | -.2199 |
| 4.000 | -.2250 |
| 5.000 | .0000 |
| 6.000 | -.2361 |
| 7.000 | -.2294 |
| 8.000 | -.2303 |
| 9.000 | -.0335 |
| 10.000 | .0073 |
| 11.000 | -.2338 |
| 12.000 | -.2362 |
| 13.000 | -.2297 |
| 14.000 | .1474 |
| 15.000 | .1604 |



(SF4208)

DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68
 1A68 C1 F1 M2(1) + FILLET BASE REGIONS

MACH (3) = 1.991 BETA (4) = 2.160

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| TAP NO | CP |
|--------|--------|
| 16.000 | -.2460 |
| 17.000 | -.2834 |
| 18.000 | -.2723 |
| 19.000 | -.2455 |
| 20.000 | -.2429 |
| 21.000 | -.2412 |
| 22.000 | -.2467 |

MACH (3) = 1.991 BETA (5) = 4.080 RV/L = 10.600

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| TAP NO | CP |
|--------|--------|
| 1.000 | -.2431 |
| 2.000 | -.2315 |
| 3.000 | -.2191 |
| 4.000 | -.2274 |
| 5.000 | .0000 |
| 6.000 | -.2419 |
| 7.000 | -.2331 |
| 8.000 | -.2334 |
| 9.000 | -.0470 |
| 10.000 | .0038 |
| 11.000 | -.2362 |
| 12.000 | -.2350 |
| 13.000 | -.2292 |
| 14.000 | .1345 |
| 15.000 | .1256 |
| 16.000 | -.2334 |
| 17.000 | -.2614 |
| 18.000 | -.2579 |
| 19.000 | -.2319 |
| 20.000 | -.2299 |
| 21.000 | -.2239 |
| 22.000 | -.2336 |

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

DATE 01 OCT 74

(REFADIS) (19 APR 74)

1A69 C1 F1 M3(1) M4(1) BASE REGIONS

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 UGEF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

BETA = .000

MACH (1) = .896 ALPHA (1) = -3.900 RV/L = 6.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.1953
 2.000 -.2139
 3.000 -.1929
 4.000 -.1572
 5.000 .0000
 6.000 -.3719
 7.000 -.2767
 8.000 -.2856
 9.000 -.4258
 10.000 -.3682
 11.000 -.2910
 12.000 -.3006
 13.000 -.3512
 14.000 -.1158
 15.000 -.1955
 16.000 -.3018
 17.000 -.3049
 18.000 -.3195
 19.000 -.3362
 20.000 -.3188
 21.000 -.2968
 22.000 -.3351

MACH (1) = .896 ALPHA (2) = -1.940 RV/L = 6.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -.1887
 2.000 -.2033
 3.000 -.1832
 4.000 -.1569
 5.000 .0000
 6.000 -.3606
 7.000 -.2654
 8.000 -.2727



DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A63

(SF4213)

1A63 C1 F1 M3(1) M4(1) BASE REGIONS

MACH (1) = .896 ALPHA (2) = -1.940

SECTION (1) BASE

DEPENDENT VARIABLE CP

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 9.000 | -.4096 |
| 10.000 | -.3527 |
| 11.000 | -.2788 |
| 12.000 | -.2915 |
| 13.000 | -.3400 |
| 14.000 | -.1212 |
| 15.000 | -.1773 |
| 16.000 | -.3182 |
| 17.000 | -.2987 |
| 18.000 | -.3209 |
| 19.000 | -.3246 |
| 20.000 | -.3042 |
| 21.000 | -.2789 |
| 22.000 | -.3229 |

MACH (1) = .896 ALPHA (3) = .000 RV/L = 6.500

SECTION (1) BASE

DEPENDENT VARIABLE CP

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.1815 |
| 2.000 | -.1927 |
| 3.000 | -.1747 |
| 4.000 | -.1594 |
| 5.000 | .0000 |
| 6.000 | -.3560 |
| 7.000 | -.2581 |
| 8.000 | -.2672 |
| 9.000 | -.3962 |
| 10.000 | -.3450 |
| 11.000 | -.2732 |
| 12.000 | -.2892 |
| 13.000 | -.3343 |
| 14.000 | -.1185 |
| 15.000 | -.1920 |
| 16.000 | -.3087 |
| 17.000 | -.2945 |
| 18.000 | -.3263 |
| 19.000 | -.3148 |
| 20.000 | -.2942 |
| 21.000 | -.2686 |
| 22.000 | -.3156 |

(3F4BDS)

TABLATED SOURCE DATA, R.I. TWT 281 - 1A63

1A63 C1 F1 M3(1) M4(1) BASE REGIONS

MACH (1) = .896 ALPHA (4) = 1.310 RV/L = 6.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.1804 |
| 2.000 | -.1869 |
| 3.000 | -.1704 |
| 4.000 | -.1641 |
| 5.000 | .0000 |
| 6.000 | -.3647 |
| 7.000 | -.2607 |
| 8.000 | -.2705 |
| 9.000 | -.3832 |
| 10.000 | -.3413 |
| 11.000 | -.2774 |
| 12.000 | -.2399 |
| 13.000 | -.3362 |
| 14.000 | -.1170 |
| 15.000 | -.2242 |
| 16.000 | -.3010 |
| 17.000 | -.2926 |
| 18.000 | -.3164 |
| 19.000 | -.3066 |
| 20.000 | -.2361 |
| 21.000 | -.2569 |
| 22.000 | -.3091 |

MACH (1) = .896 ALPHA (5) = 3.840 RV/L = 6.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.1795 |
| 2.000 | -.1829 |
| 3.000 | -.1697 |
| 4.000 | -.1670 |
| 5.000 | .0000 |
| 6.000 | -.3726 |
| 7.000 | -.2645 |
| 8.000 | -.2803 |
| 9.000 | -.3850 |
| 10.000 | -.3471 |
| 11.000 | -.2885 |
| 12.000 | -.2937 |
| 13.000 | -.3331 |
| 14.000 | -.1151 |
| 15.000 | -.2799 |



TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(TF-42025)

1A68 C1 F1 M3(1) M4(1) BASE REGIONS

MACH (1) = .856 ALPHA (5) = 3.840

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| TAP NO | CP |
|--------|--------|
| 16.000 | -.3136 |
| 17.000 | -.3027 |
| 18.000 | -.3183 |
| 19.000 | -.3171 |
| 20.000 | -.2957 |
| 21.000 | -.2597 |
| 22.000 | -.3204 |

MACH (2) = 1.209 ALPHA (1) = -3.940 RV/L = 7.200

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

| TAP NO | CP |
|--------|--------|
| 1.000 | -.3056 |
| 2.000 | -.2910 |
| 3.000 | -.3102 |
| 4.000 | -.3017 |
| 5.000 | .0000 |
| 6.000 | -.3973 |
| 7.000 | -.4086 |
| 8.000 | -.4268 |
| 9.000 | -.1084 |
| 10.000 | -.1149 |
| 11.000 | -.4437 |
| 12.000 | -.4459 |
| 13.000 | -.4053 |
| 14.000 | -.1043 |
| 15.000 | -.0897 |
| 16.000 | -.4833 |
| 17.000 | -.4922 |
| 18.000 | -.5055 |
| 19.000 | -.4866 |
| 20.000 | -.4721 |
| 21.000 | -.4646 |
| 22.000 | -.4796 |

(REF 4828)

TABULATED SOURCE DATA, R.I. TWT 231 - 1A68

1A68 C1 F1 M3(1) M4(1) BASE REGIONS

MACH (2) = 1.209 ALPHA (2) = -1.960 RV/L = 7.200

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2927
 2.000 -2813
 3.000 -3034
 4.000 -2883
 5.000 .0000
 6.000 -3721
 7.000 -3836
 8.000 -3953
 9.000 -0854
 10.000 -1215
 11.000 -4159
 12.000 -4218
 13.000 -3816
 14.000 .0997
 15.000 -0864
 16.000 -4633
 17.000 -4792
 18.000 -4909
 19.000 -4681
 20.000 -4498
 21.000 -4482
 22.000 -4602

MACH (2) = 1.209 ALPHA (3) = -.030 RV/L = 7.200

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2933
 2.000 -2832
 3.000 -3064
 4.000 -2902
 5.000 .0000
 6.000 -3654
 7.000 -3732
 8.000 -3928
 9.000 -0291
 10.000 -0729
 11.000 -4152
 12.000 -4234
 13.000 -3792
 14.000 .0849
 15.000 -0873

DATE 01 OCT 74 TASSULATED SOURCE DATA, R.I. TWT 291 - 1A69

1A69 CI F1 M3(1), M4(1) BASE REGIONS

MACH (2) = 1.209 ALPHA (3) = -.030

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 16.000 | -.4520 |
| 17.000 | -.4633 |
| 18.000 | -.4719 |
| 19.000 | -.4571 |
| 20.000 | -.4333 |
| 21.000 | -.4391 |
| 22.000 | -.4483 |

MACH (2) = 1.209 ALPHA (4) = 1.900 RVL = 7.200

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2939 |
| 2.000 | -.2971 |
| 3.000 | -.3062 |
| 4.000 | -.2914 |
| 5.000 | .0000 |
| 6.000 | -.3543 |
| 7.000 | -.3628 |
| 8.000 | -.3821 |
| 9.000 | -.0118 |
| 10.000 | -.0408 |
| 11.000 | -.4038 |
| 12.000 | -.4151 |
| 13.000 | -.3689 |
| 14.000 | .0825 |
| 15.000 | -.1161 |
| 16.000 | -.4489 |
| 17.000 | -.4617 |
| 18.000 | -.4671 |
| 19.000 | -.4567 |
| 20.000 | -.4332 |
| 21.000 | -.4351 |
| 22.000 | -.4486 |

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. T-7 2-1 - 1-55

IA69 (1 F1 NG(1) M(1)) CASE SECTIONS

MACH (2) = 1.209 ALPHA (5) = 3.880 RV/L = 7.200

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAF NG

1.000 -1.2997
2.000 -1.2931
3.000 -1.3284
4.000 -1.2953
5.000 .0000
6.000 -1.3515
7.000 -1.3564
8.000 -1.3767
9.000 -1.0086
10.000 -1.0362
11.000 -1.3961
12.000 -1.4134
13.000 -1.3686
14.000 .0775
15.000 -1.1141
16.000 -1.4470
17.000 -1.4606
18.000 -1.4672
19.000 -1.4582
20.000 -1.4307
21.000 -1.4302
22.000 -1.4518

MACH (3) = 1.503 ALPHA (1) = -3.890 RV/L = 9.800

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAF NG

1.000 -1.6323
2.000 -1.2543
3.000 -1.2659
4.000 -1.2649
5.000 .0000
6.000 -1.3149
7.000 -1.3264
8.000 -1.3357
9.000 -1.0480
10.000 -1.0971
11.000 -1.3396
12.000 -1.3488
13.000 -1.3154
14.000 -1.1455
15.000 -1.1109



C-7

RELATED SOURCE DATA. R.I. TWT 281 - 1AC3

(NF4233)

1249 (1 F1 M3.1) M3(1) 0432 1822.0MS

MOON (3) = 1.503 ALPHA (1) = -3.680

DEPENDENT VARIABLE CP

SECTION (1) BASE

N/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 16.000 | -.3662 |
| 17.000 | -.3618 |
| 18.000 | -.3791 |
| 19.000 | -.3846 |
| 20.000 | -.3823 |
| 21.000 | -.3615 |
| 22.000 | -.3632 |

MOON (3) = 1.503 ALPHA (2) = -1.680 RVL = 9.800

DEPENDENT VARIABLE CP

SECTION (1) BASE

N/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.6323 |
| 2.000 | -.2499 |
| 3.000 | -.2643 |
| 4.000 | -.2653 |
| 5.000 | .0000 |
| 6.000 | -.2979 |
| 7.000 | -.3043 |
| 8.000 | -.3160 |
| 9.000 | -.0377 |
| 10.000 | -.1044 |
| 11.000 | -.3261 |
| 12.000 | -.3343 |
| 13.000 | -.2966 |
| 14.000 | .1677 |
| 15.000 | .0423 |
| 16.000 | -.3560 |
| 17.000 | -.3675 |
| 18.000 | -.3700 |
| 19.000 | -.3350 |
| 20.000 | -.3485 |
| 21.000 | -.3508 |
| 22.000 | -.3622 |

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(ZF4ELB)

1A68 C1 F1 MS(1) M4(1) BASE REGIONS

MACH (3) = 1.503 ALPHA (3) = .120 RV/L = 9.800

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 -.6323
2.000 -.2510
3.000 -.2677
4.000 -.2666
5.000 .0000
6.000 -.2979
7.000 -.3021
8.000 -.3164
9.000 -.0289
10.000 -.0612
11.000 -.3163
12.000 -.3246
13.000 -.2943
14.000 .1704
15.000 .0003
16.000 -.3469
17.000 -.3257
18.000 -.3593
19.000 -.3467
20.000 -.3384
21.000 -.3379
22.000 -.3442

MACH (3) = 1.503 ALPHA (4) = 2.120 RV/L = 9.800

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 -.6323
2.000 -.2694
3.000 -.2666
4.000 -.2634
5.000 .0000
6.000 -.2941
7.000 -.2947
8.000 -.3010
9.000 -.0218
10.000 -.0678
11.000 -.3200
12.000 -.3221
13.000 -.2934
14.000 .1825
15.000 -.0061



TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4833)

1A68 C1 F1 MS(1) MM(1) BASE REGIONS

DATE DR OCT 74

MOY (3) = 1.503 ALPHA (4) = 2.120

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | VALUE |
|--------|--------|
| 16.000 | -.3450 |
| 17.000 | -.3555 |
| 18.000 | -.3600 |
| 19.000 | -.3443 |
| 20.000 | -.3382 |
| 21.000 | -.3345 |
| 22.000 | -.3462 |

MOY (3) = 1.503 ALPHA (5) = 4.030 RV/L = 9.600

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | VALUE |
|--------|--------|
| 1.000 | -.6323 |
| 2.000 | -.2428 |
| 3.000 | -.2612 |
| 4.000 | -.2561 |
| 5.000 | .0000 |
| 6.000 | -.2803 |
| 7.000 | -.2939 |
| 8.000 | -.2930 |
| 9.000 | -.0098 |
| 10.000 | -.0435 |
| 11.000 | -.3179 |
| 12.000 | -.3172 |
| 13.000 | -.2794 |
| 14.000 | .1748 |
| 15.000 | -.0710 |
| 16.000 | -.3449 |
| 17.000 | -.3581 |
| 18.000 | -.3612 |
| 19.000 | -.3429 |
| 20.000 | -.3381 |
| 21.000 | -.3340 |
| 22.000 | -.3476 |

TABULATED SOURCE DATA, R.I. INT 381 - 1A68

DATE 01 OCT 74

(REF 4.1.1) (1) APR 74

1A68 C1 F1 M3(1) M4(1) BASE REGIONS

PARAMETRIC DATA

ALPHA = .0000

REFERENCE DATA

SREF = 2690.0000 52.57. XREF = .0000
 UREF = 1328.3000 IN. YREF = .0000
 BREF = 1328.3000 IN. ZREF = .0000
 SCALE = .0040

MACH (1) = .897 BETA (1) = -3.920 RV/L = 6.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.1895 |
| 2.000 | -.1873 |
| 3.000 | -.1873 |
| 4.000 | -.1789 |
| 5.000 | .0000 |
| 6.000 | -.2988 |
| 7.000 | -.3186 |
| 8.000 | -.3444 |
| 9.000 | -.4003 |
| 10.000 | -.3469 |
| 11.000 | -.3422 |
| 12.000 | -.3382 |
| 13.000 | -.3074 |
| 14.000 | .0087 |
| 15.000 | -.3337 |
| 16.000 | -.3745 |
| 17.000 | -.3376 |
| 18.000 | -.3914 |
| 19.000 | -.3737 |
| 20.000 | -.3648 |
| 21.000 | -.3403 |
| 22.000 | -.3779 |

MACH (2) = .897 BETA (2) = -1.970 RV/L = 6.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.1839 |
| 2.000 | -.1837 |
| 3.000 | -.1825 |
| 4.000 | -.1752 |
| 5.000 | .0000 |
| 6.000 | -.3088 |
| 7.000 | -.3167 |
| 8.000 | -.3458 |



TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(064810)

1A68 CI FI M3(1) M4(1) BASE REGIONS

DATE 01 OCT 74

MACH (1) = .097 BETA (2) = -1.970

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | Y/L |
|--------|--------|
| 9.000 | -.3904 |
| 10.000 | -.3467 |
| 11.000 | -.3435 |
| 12.000 | -.3402 |
| 13.000 | -.3107 |
| 14.000 | -.0253 |
| 15.000 | -.3087 |
| 16.000 | -.3611 |
| 17.000 | -.3180 |
| 18.000 | -.3669 |
| 19.000 | -.3621 |
| 20.000 | -.3467 |
| 21.000 | -.3184 |
| 22.000 | -.3631 |

MACH (1) = .097 BETA (3) = -.050 RV/L = 6.500

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | Y/L |
|--------|--------|
| 1.000 | -.1786 |
| 2.000 | -.1697 |
| 3.000 | -.1709 |
| 4.000 | -.1568 |
| 5.000 | .0000 |
| 6.000 | -.3559 |
| 7.000 | -.2590 |
| 8.000 | -.2637 |
| 9.000 | -.3949 |
| 10.000 | -.3432 |
| 11.000 | -.2696 |
| 12.000 | -.2864 |
| 13.000 | -.3372 |
| 14.000 | -.1243 |
| 15.000 | -.1697 |
| 16.000 | -.3042 |
| 17.000 | -.2918 |
| 18.000 | -.3235 |
| 19.000 | -.3109 |
| 20.000 | -.2306 |
| 21.000 | -.2629 |
| 22.000 | -.3112 |

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ORIGINAL PAGE IS POOR

(SF4E1D)

TABULATED SOURCE DATA, R.I. TMT 281 - 1A69

1A68 CI F1 XS(1) MM(1) BASE REGIONS

MMO1 (1) = .697 BETA (4) = 1.630 RM/L = 6.500

SECTION (1) BASE

DEPENDENT VARIABLE CP

X/L 1.0000

| TAP NO | VALUE |
|--------|--------|
| 1.000 | -.1836 |
| 2.000 | -.1904 |
| 3.000 | -.1734 |
| 4.000 | -.1693 |
| 5.000 | .0000 |
| 6.000 | -.3309 |
| 7.000 | -.2867 |
| 8.000 | -.3016 |
| 9.000 | -.3967 |
| 10.000 | -.3576 |
| 11.000 | -.3223 |
| 12.000 | -.3332 |
| 13.000 | -.3568 |
| 14.000 | -.1999 |
| 15.000 | -.1818 |
| 16.000 | -.2972 |
| 17.000 | -.2998 |
| 18.000 | -.3233 |
| 19.000 | -.3082 |
| 20.000 | -.2854 |
| 21.000 | -.2550 |
| 22.000 | -.3103 |

MMO1 (1) = .697

BETA (5) = 3.940

RM/L = 6.500

SECTION (1) BASE

DEPENDENT VARIABLE CP

X/L 1.0000

| TAP NO | VALUE |
|--------|--------|
| 1.000 | -.1961 |
| 2.000 | -.2082 |
| 3.000 | -.1807 |
| 4.000 | -.1791 |
| 5.000 | .0000 |
| 6.000 | -.2938 |
| 7.000 | -.3085 |
| 8.000 | -.3291 |
| 9.000 | -.4009 |
| 10.000 | -.3652 |
| 11.000 | -.3370 |
| 12.000 | -.3433 |
| 13.000 | -.3650 |
| 14.000 | -.1376 |
| 15.000 | -.1865 |

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TMT 201 - 1465

PAGE 97

00F48100

1465 CI F1 M3(1) M4(1) BASE REGIONS

M401 (1) = .097 BETA (5) = 3.040

SECTION (1) BASE

DEPENDENT VARIABLE C²

X/L 1.0000

| TAP NO | |
|--------|--------|
| 16.000 | -.8008 |
| 17.000 | -.8943 |
| 18.000 | -.3066 |
| 19.000 | -.2914 |
| 20.000 | -.2614 |
| 21.000 | -.2308 |
| 22.000 | -.2943 |

M401 (2) = 1.210 BETA (1) = -3.930 RV/L = 7.400

SECTION (1) BASE

DEPENDENT VARIABLE C²

X/L 1.0000

| TAP NO | |
|--------|--------|
| 1.000 | -.3018 |
| 2.000 | -.2506 |
| 3.000 | -.3039 |
| 4.000 | -.2971 |
| 5.000 | .0000 |
| 6.000 | -.3708 |
| 7.000 | -.4018 |
| 8.000 | -.4882 |
| 9.000 | -.0264 |
| 10.000 | -.0293 |
| 11.000 | -.4269 |
| 12.000 | -.4211 |
| 13.000 | -.3633 |
| 14.000 | -.2272 |
| 15.000 | -.1229 |
| 16.000 | -.4805 |
| 17.000 | -.4990 |
| 18.000 | -.4999 |
| 19.000 | -.4864 |
| 20.000 | -.4637 |
| 21.000 | -.4665 |
| 22.000 | -.4607 |

06F4B100

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. INT 201 - 1A69

1A69 C1 F1 M5(1) M4(1) BASE REGIONS

M4(1) (2) = 1.210 BETA (2) = -2.070 RV/L = 7.400

DEPENDENT VARIABLE C'

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2990
 2.000 -2996
 3.000 -3026
 4.000 -2906
 5.000 .0000
 6.000 -3649
 7.000 -3992
 8.000 -4014
 9.000 -0162
 10.000 -0313
 11.000 -4243
 12.000 -4173
 13.000 -3762
 14.000 .1510
 15.000 -1330
 16.000 -4659
 17.000 -4790
 18.000 -4799
 19.000 -4699
 20.000 -4490
 21.000 -4530
 22.000 -4634

M4(1) (2) = 1.210 BETA (3) = -.130 RV/L = 7.400

DEPENDENT VARIABLE C'

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2992
 2.000 -2933
 3.000 -3099
 4.000 -2903
 5.000 .0000
 6.000 -3609
 7.000 -3707
 8.000 -3969
 9.000 -0295
 10.000 -0763
 11.000 -4121
 12.000 -4801
 13.000 -3736
 14.000 .0861
 15.000 -1181

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

PAGE 99

1A68 CI F1 M011) M4(1) CASE REGIONS

(RF4810)

M001 (2) = 1.210 BETA (3) = -.130

SECTION (1) BASE

DEPENDENT VARIABLE OF

X/L 1.0000

| TAP NO | |
|--------|--------|
| 16.000 | -.4801 |
| 17.000 | -.4619 |
| 18.000 | -.4686 |
| 19.000 | -.4530 |
| 20.000 | -.4315 |
| 21.000 | -.4390 |
| 22.000 | -.4480 |

M001 (2) = 1.210 BETA (4) = 1.680 RV/L = 7.400

SECTION (1) BASE

DEPENDENT VARIABLE OF

X/L 1.0000

| TAP NO | |
|--------|--------|
| 1.000 | -.3071 |
| 2.000 | -.3033 |
| 3.000 | -.2857 |
| 4.000 | -.2680 |
| 5.000 | .0000 |
| 6.000 | -.3859 |
| 7.000 | -.3621 |
| 8.000 | -.3797 |
| 9.000 | -.0296 |
| 10.000 | -.0652 |
| 11.000 | -.3947 |
| 12.000 | -.3620 |
| 13.000 | -.3666 |
| 14.000 | .0206 |
| 15.000 | -.0872 |
| 16.000 | -.4298 |
| 17.000 | -.4432 |
| 18.000 | -.4598 |
| 19.000 | -.4592 |
| 20.000 | -.4131 |
| 21.000 | -.4149 |
| 22.000 | -.4255 |

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TM 281 - 1A69

PAGE 120

1A69 C1 F1 M5(1) M4(1) BASE REGIONS

(RF-481U)

M404 (2) = 1.620 BETA (5) = 3.780 RV/L = 7.400

DEPENDENT VARIABLE CP

SECTION (1) BASE

N/L 1.0000

| TRP NO | |
|--------|--------|
| 1.000 | -.3196 |
| 2.000 | -.3084 |
| 3.000 | -.2962 |
| 4.000 | -.3069 |
| 5.000 | .0000 |
| 6.000 | -.3708 |
| 7.000 | -.3626 |
| 8.000 | -.4048 |
| 9.000 | -.0383 |
| 10.000 | -.0640 |
| 11.000 | -.4112 |
| 12.000 | -.3996 |
| 13.000 | -.4080 |
| 14.000 | -.0008 |
| 15.000 | -.0356 |
| 16.000 | -.4210 |
| 17.000 | -.4311 |
| 18.000 | -.4421 |
| 19.000 | -.4310 |
| 20.000 | -.4031 |
| 21.000 | -.3977 |
| 22.000 | -.4195 |

DATE OF OCT 74

TABULATED SOURCE DATA, R.I. TWT 201 - 1A68

PAGE 100

1A68 C1 F1 M1 (1)

BASE REGIONS

(6F4B11) (18 APR 74)

REFERENCE DATA

SWP = 2880.0000 S2.FT. WRP = .0000
 UNF = 1329.3000 IN. WRP = .0000
 SWP = 1329.3000 IN. ZWR = .0000
 SCALE = .0040

PARAMETRIC DATA

BETA = .000

MON (1) = 1.503 ALPHA (1) = -3.700 RVL = 9.600

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

| | |
|--------|--------|
| TWP NO | |
| 1.000 | -.2646 |
| 2.000 | -.2507 |
| 3.000 | -.2694 |
| 4.000 | -.2680 |
| 5.000 | -.0000 |
| 6.000 | -.3167 |
| 7.000 | -.3825 |
| 8.000 | -.3213 |
| 9.000 | -.1037 |
| 10.000 | -.1106 |
| 11.000 | -.3451 |
| 12.000 | -.3394 |
| 13.000 | -.3034 |
| 14.000 | -.1866 |
| 15.000 | -.0340 |
| 16.000 | -.3861 |
| 17.000 | -.3708 |
| 18.000 | -.3767 |
| 19.000 | -.3596 |
| 20.000 | -.3492 |
| 21.000 | -.3469 |
| 22.000 | -.3593 |

MON (1) = 1.503 ALPHA (2) = -1.790 RVL = 9.600

SECTION (1) BASE DEPENDENT VARIABLE OF

X/L 1.0000

| | |
|--------|--------|
| TWP NO | |
| 1.000 | -.2748 |
| 2.000 | -.2556 |
| 3.000 | -.2676 |
| 4.000 | -.2663 |
| 5.000 | .0000 |
| 6.000 | -.3137 |
| 7.000 | -.3853 |
| 8.000 | -.3215 |



TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

(SF4811)

BASE REGIONS

IA68 CI FI MI (1)

DATE 01 OCT 74

MOY (1) = 1.503 ALPHA (2) = -1.750

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|--------|
| 9.000 | -.1138 |
| 10.000 | -.1098 |
| 11.000 | -.3515 |
| 12.000 | -.3380 |
| 13.000 | -.3080 |
| 14.000 | -.1767 |
| 15.000 | -.0385 |
| 16.000 | -.3570 |
| 17.000 | -.3707 |
| 18.000 | -.3776 |
| 19.000 | -.3596 |
| 20.000 | -.3507 |
| 21.000 | -.3480 |
| 22.000 | -.3607 |

MOY (1) = 1.503 ALPHA (3) = .180 MOVL = 9.000

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| TAP NO | |
|--------|--------|
| 1.000 | -.2748 |
| 2.000 | -.2534 |
| 3.000 | -.2882 |
| 4.000 | -.2624 |
| 5.000 | .0000 |
| 6.000 | -.3058 |
| 7.000 | -.3250 |
| 8.000 | -.3212 |
| 9.000 | -.1158 |
| 10.000 | -.1226 |
| 11.000 | -.3477 |
| 12.000 | -.3388 |
| 13.000 | -.3073 |
| 14.000 | -.1423 |
| 15.000 | -.0007 |
| 16.000 | -.3615 |
| 17.000 | -.3717 |
| 18.000 | -.3783 |
| 19.000 | -.3628 |
| 20.000 | -.3554 |
| 21.000 | -.3486 |
| 22.000 | -.3633 |



TABULATED SOURCE DATA, R.I., TWT 201 - 1A60

(REF:11)

BASE REGIONS

IA60 C1 F1 M1 (1)

MA60 (1) = 1.503 ALPHA (4) = 2.010 RV/L = 9.603

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2795 |
| 2.000 | -.2826 |
| 3.000 | -.2540 |
| 4.000 | -.2547 |
| 5.000 | .0000 |
| 6.000 | -.3107 |
| 7.000 | -.3250 |
| 8.000 | -.3226 |
| 9.000 | -.1200 |
| 10.000 | -.1371 |
| 11.000 | -.3471 |
| 12.000 | -.3408 |
| 13.000 | -.3087 |
| 14.000 | .1105 |
| 15.000 | -.0210 |
| 16.000 | -.3631 |
| 17.000 | -.3749 |
| 18.000 | -.3777 |
| 19.000 | -.3635 |
| 20.000 | -.3562 |
| 21.000 | -.3515 |
| 22.000 | -.3624 |

MA60 (1) = 1.503 ALPHA (5) = 4.040 RV/L = 9.603

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

| | |
|--------|--------|
| TAP NO | |
| 1.000 | -.2806 |
| 2.000 | -.2837 |
| 3.000 | -.2513 |
| 4.000 | -.2480 |
| 5.000 | .0000 |
| 6.000 | -.3161 |
| 7.000 | -.3258 |
| 8.000 | -.3262 |
| 9.000 | -.1242 |
| 10.000 | -.1267 |
| 11.000 | -.3457 |
| 12.000 | -.3462 |
| 13.000 | -.3137 |
| 14.000 | .1045 |
| 15.000 | -.0750 |

DATE OF OCT 74

TABLATED SOURCE DATA, R.I. TWT 281 - 1A68

PAGE 104

(SF4811)

BASE REGIONS

1A68 C1 F1 M1 (1)

MAC1 (1) = 1.503 ALPHA (5) = 4.046

SECTION (1) BASE

DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO

16.000 -3547
17.000 -3744
18.000 -3817
19.000 -3664
20.000 -3552
21.000 -3561
22.000 -3660

MAC1 (2) = 1.991 ALPHA (1) = -3.860 RV/L = 13.800

SECTION (1) BASE

DEPENDENT VARIABLE OF

X/L 1.0000

TAP NO

1.000 -.1983
2.000 -.1907
3.000 -.1853
4.000 -.1874
5.000 .0000
6.000 -.2218
7.000 -.2321
8.000 -.2400
9.000 -.0998
10.000 -.0483
11.000 -.2444
12.000 -.2471
13.000 -.2217
14.000 .0862
15.000 -.0498
16.000 -.2531
17.000 -.2740
18.000 -.2752
19.000 -.2576
20.000 -.2510
21.000 -.2496
22.000 -.2585



TABULATED SOURCE DATA, R.I. TMT 201 - 1A68

(0574811)

LAC9 CL F1 M1 (1) BASE REGIONS

WMO+ (2) = 1.991 ALPHA (2) = -1.940 RVL = 13.000

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2003
2.000 -1999
3.000 -2010
4.000 -2025
5.000 .0000
6.000 -2206
7.000 -2503
8.000 -2594
9.000 -0823
10.000 -0822
11.000 -2431
12.000 -2480
13.000 -2211
14.000 .1162
15.000 -0004
16.000 -2611
17.000 -2936
18.000 -2861
19.000 -2613
20.000 -2580
21.000 -2573
22.000 -2619

WMO1 (2) = 1.991 ALPHA (2) = .000 RVL = 13.000

DEPENDENT VARIABLE CP

SECTION (1) BASE

X/L 1.0000

TAP NO

1.000 -2980
2.000 -2332
3.000 -2239
4.000 -2234
5.000 .0000
6.000 -2234
7.000 -2235
8.000 -2235
9.000 -0922
10.000 -0413
11.000 -2431
12.000 -2407
13.000 -2239
14.000 .1996
15.000 .0636

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4B11)

BASE REGIONS

1A68 CI FI MI (1)

DATE 01 OCT 74

WMO1 (2) = 1.991 ALPHA (3) = .000

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
16.000 -.2676
17.000 -.2999
18.000 -.2914
19.000 -.2695
20.000 -.2636
21.000 -.2616
22.000 -.2693

WMO1 (2) = 1.991 ALPHA (4) = 1.963 RV/L = 13.600

DEPENDENT VARIABLE OF

SECTION (1) BASE

X/L 1.0000

TAP NO
1.000 -.3498
2.000 -.2593
3.000 -.2342
4.000 -.2323
5.000 .0000
6.000 -.2266
7.000 -.2179
8.000 -.2135
9.000 -.0973
10.000 -.0942
11.000 -.2431
12.000 -.2393
13.000 -.2261
14.000 .1927
15.000 .0557
16.000 -.2601
17.000 -.2903
18.000 -.2935
19.000 -.2604
20.000 -.2584
21.000 -.2525
22.000 -.2619



DATE OF OCT 74 TABULATED SOURCE DATA, R.I. TWT 201 - 1A63

(6F4B11)

1A63 CI F1 M1(1) BASE REGIONS

MCH (2) = 1.991 ALPHA (5) = 3.910 SN/L = 13.601

DEPENDENT VARIABLE OF

SECTION (1)BASE

X/L 1.0000

TAP NO

| | |
|--------|--------|
| 1.000 | -.2429 |
| 2.000 | -.3406 |
| 3.000 | -.2204 |
| 4.000 | -.2325 |
| 5.000 | .0000 |
| 6.000 | -.2133 |
| 7.000 | -.2160 |
| 8.000 | -.2200 |
| 9.000 | -.0767 |
| 10.000 | -.0363 |
| 11.000 | -.2367 |
| 12.000 | -.2428 |
| 13.000 | -.1120 |
| 14.000 | -.2172 |
| 15.000 | .0751 |
| 16.000 | -.2587 |
| 17.000 | -.2560 |
| 18.000 | -.2610 |
| 19.000 | -.2596 |
| 20.000 | -.2561 |
| 21.000 | -.2508 |
| 22.000 | -.2600 |

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

66F48121 (18 APR 74)

1A68 CI F1 NE(1) BASE REGIONS

PARAMETRIC DATA

BETA = .000

DATE 01 OCT 74

REFERENCE DATA

SRF = 2890.0000 93.FT. MRP = .0000
 URF = 1328.3000 IN. MRP = .0000
 PRF = 1328.3000 IN. MRP = .0000
 SCALE = .0040

MNO (1) = 1.223 ALPHA (1) = .000 RVL = 7.300

SECTION (1) BASE DEPENDENT VARIABLE OF

N/L 1.0000

| TAP NO | N/L |
|--------|--------|
| 1.000 | -.2964 |
| 2.000 | -.2960 |
| 3.000 | -.2963 |
| 4.000 | -.2969 |
| 5.000 | .0000 |
| 6.000 | -.3620 |
| 7.000 | -.3601 |
| 8.000 | -.3683 |
| 9.000 | -.1140 |
| 10.000 | -.1436 |
| 11.000 | -.4067 |
| 12.000 | -.4077 |
| 13.000 | -.3740 |
| 14.000 | .0801 |
| 15.000 | -.1954 |
| 16.000 | -.4310 |
| 17.000 | -.4462 |
| 18.000 | -.4945 |
| 19.000 | -.4804 |
| 20.000 | -.4175 |
| 21.000 | -.4133 |
| 22.000 | -.4357 |



TABULATED SOURCE DATA, R.I. TMT 201 - 1A69

DATE 01 OCT 74

(REFALDI) (18 APR 74)

UPPER WING SURFACE

1A69 C1 F1

PARAMETRIC DATA

REFERENCE DATA

BETA = .000

SPCF = 2890.0000 SQ.FT. WAPP = .0000

LECF = 1329.3000 IN. WAPP = .0000

BRCF = 1329.3000 IN. ZAPP = .0000

SCALE = .0000

NOCH (1) = .663 ALPHA (1) = .000 BNVL = 6.400

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102

-.1653

.300

-.4894

.500

-.2931

.700

-.4151

.899

-.1776

-.0880

-.6008

-.7021

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SEEF = 2680.0000 SQ.FT. XAPP = .0000
LREF = 1320.0000 IN. YAPP = .0000
BREF = 1320.0000 IN. ZAPP = .0000
SCALE = .0040

MMCH (1) = .055 ALPHA (1) = -4.000 RV/L = 6.700

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.108
.301
.500
.700
.899
.1007
-.3116
-.3091
-.4615
-.6226
-.3240
-.1444

MMCH (1) = .055 ALPHA (2) = -2.000 RV/L = 6.700

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102
.301
.500
.700
.899
-.0044
-.3591
-.3595
-.5277
-.6906
-.3722
-.1122

MMCH (1) = .055 ALPHA (3) = -.080 RV/L = 6.700

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102
.301
.500
.700
.899
-.1109
1.4783
-.2984
-.3667
-.5808
-.7803
-.3965
-.0992

DATE 08 OCT 74 TABULATED SOURCE DATA, R.I. TMT 261 - 1A68

(SF4UJ2)

1A68 C1 F1 UPPER MINE SURFACE

MAOM (1) = .086 ALPHA (4) = 1.800 RM/L = 6.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4286 .6380 .7770

X/C

.102 -.2227
.301 -.5982
.500 -.3446
.700 -.3678
.899 -.6729
-1.000 -.7873
-1.200 -.3046
-1.400 -.1032

MAOM (1) = .086 ALPHA (5) = 3.670 RM/L = 6.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4986 .6380 .7770

X/C

.102 -.3385
.301 -.6959
.500 -.3878
.700 -.4355
.899 -.7537
-1.000 -.7804
-1.200 -.3296
-1.400 -.1074

MAOM (2) = 1.211 ALPHA (1) = -3.910 RM/L = 7.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4986 .6380 .7770

X/C

.102 .1513
.301 -.1862
.500 -.0570
.700 -.0579
.899 .0234
-1.000 .0234
-1.200 -.1045

MAOM (2) = 1.211 ALPHA (2) = -1.830 RM/L = 7.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4986 .6380 .7770

X/C

.102 .0801
.301 -.2477
.500 -.0873
.700 -.1546
.899 -.3880
-1.000 -.4079
-1.200 .0166
-1.400 -.1041

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 201 - 1A68

(6F4UJ2)

UPPER MINE SURFACE

1A68 C1 F1

MOY (2) = 1.211 ALPHA (3) = .150 RVL = 7.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6363 .7770

N/C

.102 -.0291
.301 -.3205
.500 -.1326
.700 -.2966
.899 -.3997
- .4767
.0082
- .1157

MOY (2) = 1.211 ALPHA (4) = 2.120 RVL = 7.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6363 .7770

N/C

.102 -.1249
.301 -.3618
.500 -.5012
.700 -.4034
.899 -.6815
- .5494
- .0284
- .1341

MOY (2) = 1.211 ALPHA (5) = 4.030 RVL = 7.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6363 .7770

N/C

.102 -.2131
.301 -.4317
.500 -.5637
.700 -.4623
.899 -.5403
- .6173
- .0921
- .1695

MOY (2) = 1.503 ALPHA (1) = -3.680 RVL = 9.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6363 .7770

N/C

.102 .1677
.301 -.1574
.500 -.1423
.700 -.2536
.899 -.2837
- .2762
.0318
.0247



DATE ON OCT 74
 TABULATED SOURCE DATA, R.I. TMT 201 - 1A68
 1A68 CI F1
 UPPER MINE SURFACE
 (RF4U02)

MACN (2) = 1.503 ALPHA (2) = -1.690 RM/L = 9.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4996 .6360 .7770

1/C
 .102
 .302
 .500
 .700
 .899

.1026
 -.2077
 -.2965
 -.3263
 -.3281
 -.0438
 .0074

MACN (3) = 1.503 ALPHA (3) = .120 RM/L = 9.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4996 .6360 .7770

1/C
 .102
 .302
 .500
 .700
 .899

.0342
 -.2299
 -.3346
 -.3078
 -.3960
 -.0248
 -.0092

MACN (4) = 1.503 ALPHA (4) = 2.010 RM/L = 9.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4996 .6360 .7770

1/C
 .102
 .302
 .500
 .700
 .899

-.0295
 -.2761
 -.2699
 -.3632
 -.3812
 -.4018
 -.3408
 -.0263

MACN (5) = 1.503 ALPHA (5) = 3.920 RM/L = 9.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4996 .6360 .7770

1/C
 .102
 .302
 .500
 .700
 .899

-.0962
 -.3087
 -.2915
 -.3969
 -.4253
 -.4006
 -.3673
 -.0943

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

TABULATED SOURCE DATA, R.I. TWT 201 - 1A68

(RFAU12)

UPPER WING SURFACE

1A68 CI F1

DATE 01 OCT 74

MACH (4) = 1.991 ALPHA (1) = -3.770 RWL = 10.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6390 .7770

Y/C

| | |
|------|--------|
| .102 | .1626 |
| .301 | -.0397 |
| .500 | -.1039 |
| .700 | -.1570 |
| .899 | -.1618 |
| | -.1467 |
| | -.0863 |
| | -.0009 |

MACH (4) = 1.991 ALPHA (2) = -1.960 RWL = 10.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6390 .7770

Y/C

| | |
|------|--------|
| .102 | .1111 |
| .301 | -.1034 |
| .500 | -.1279 |
| .700 | -.1655 |
| .899 | -.1814 |
| | -.1725 |
| | -.1299 |
| | -.0379 |

MACH (4) = 1.991 ALPHA (3) = .020 RWL = 10.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6390 .7770

Y/C

| | |
|------|--------|
| .102 | .0669 |
| .301 | -.1367 |
| .500 | -.1542 |
| .700 | -.2009 |
| .899 | -.2035 |
| | -.2025 |
| | -.1603 |
| | -.0725 |

MACH (4) = 1.991 ALPHA (4) = 2.050 RWL = 10.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6390 .7770

Y/C

| | |
|------|--------|
| .102 | .0101 |
| .301 | -.1629 |
| .500 | -.1730 |
| .700 | -.2329 |
| .899 | -.2341 |
| | -.2267 |
| | -.1824 |
| | -.1075 |



TABLED SOURCE DATA, R.I. NAT 261 - 1A68

OFF-ALD

UPPER WING SURFACE

IAGS CI F1

RVL = 10.000

ALPHA (S) = 4.000

WING (4) = 1.001

DEPENDENT VARIABLE OF

SECTION (1) UPPER WING

27/8 .3610 .4996 .6380 .7770

N/C

.102
.301
.500
.700
.899

-.0002
1.0010
-.0008
-.0008
-.0008
-.0008
-.0008

-.0008
-.0008
-.0008
-.0008
-.0008

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

DATE 08 OCT 74

REFLUTS (12 APR 74)

UPPER WING SURFACE

1A68 C1 F1

PARAMETRIC DATA

REFERENCE DATA

REF = 2880.0000 SQ.FT. WWP = .0000
 LREF = 1388.5000 IN. WWP = .0000
 REF = 1388.5000 IN. WWP = .0000
 SCALE = .0000

ALPHA = .000

WAO (1) = .000 BETA (1) = -3.750 RV/L = 6.000

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

27/8 .3610 .4886 .6360 .7770

X/C

.102 .0000
 .301 -.6082
 .500 -.2559
 .700 -.3342
 .900 -.6076
 .999 -.7943
 .999 -.1758
 .999 -.0006

WAO (1) = .000 BETA (2) = -1.000 RV/L = 6.000

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

27/8 .3610 .4886 .6360 .7770

X/C

.102 .0000
 .301 -.3628
 .500 -.3501
 .700 -.6321
 .900 -.8009
 .999 -.3584
 .999 -.0876

WAO (1) = .000 BETA (3) = .000 RV/L = 6.000

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

27/8 .3610 .4886 .6360 .7770

X/C

.102 .0000
 .301 -.5048
 .500 -.3072
 .700 -.3634
 .900 -.6041
 .999 -.7943
 .999 -.4028
 .999 -.1030



DATE ON OCT 74 TABULATED SOURCE DATA, R.I. TMF 201 - 1A60

08F40133

UPPER MINE SURFACE

MAOM (1) = .009 BETA (4) = 1.970 RVL = 6.600

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

ST/B .3610 .4996 .6360 .7770

X/C

.102 .0310
.301 -.4353
.500 -.3607 -.5679 -.7674
.700 -.4373
.900 -.1404

MAOM (1) = .009 BETA (5) = 3.970 RVL = 6.600

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

ST/B .3610 .4996 .6360 .7770

X/C

.102 .0310
.301 -.3676
.500 -.3670 -.4076 -.5750 -.7646
.700 -.4627
.900 -.1636

MAOM (2) = 1.211 BETA (1) = -3.000 RVL = 7.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

ST/B .3610 .4996 .6360 .7770

X/C

.102 -.0308
.301 -.3760
.500 -.6261 -.4264 -.4756 -.5036
.700 .0345
.900 -.0845

MAOM (2) = 1.211 BETA (2) = -1.500 RVL = 7.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

ST/B .3610 .4996 .6360 .7770

X/C

.102 -.0330
.301 -.3524
.500 -.1622 -.3745 -.4371 -.4984
.700 .0231
.900 -.0879

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMF 281 - 1A68

(RFAUJ3)

1A68 C1 F1 UPPER MINE SURFACE

MA01 (2) = 1.211 BETA (3) = .000 RV/L = 7.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

27/B .3610 .4996 .6380 .7770

X/C

.102 -.0810
 .301 -.3149
 .500 -.1243 -.2727 -.3901 -.4802
 .700 .0068
 .899 -.1123

MA01 (2) = 1.211 BETA (4) = 1.920 RV/L = 7.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

27/B .3610 .4996 .6380 .7770

X/C

.102 -.0206
 .301 -.2713
 .500 -.1266 -.1683 -.3579 -.4646
 .700 -.0236
 .899 -.1434

MA01 (2) = 1.211 BETA (5) = 3.920 RV/L = 7.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

27/B .3610 .4996 .6380 .7770

X/C

.102 .0045
 .301 -.2343
 .500 -.1310 -.1671 -.3155 -.4307
 .700 -.0260
 .899 -.1686

MA01 (3) = 1.503 BETA (1) = -3.910 RV/L = 9.600

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

27/B .3610 .4996 .6380 .7770

X/C

.102 .0701
 .301 -.2406
 .500 -.2427 -.3434 -.3613 -.3549
 .700 -.1639
 .899 .0009



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A69

05741133

1A69 CI F1 UPPER MINE SURFACE

MM01 (3) = 1.503 BETA (2) = -1.980 RV/L = 9.800

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0579
.301 -.2405
.500 -.2439 -.3380 -.3607 -.3542
.700 -.0924
.899 -.0789

MM01 (3) = 1.503 BETA (3) = -.070 RV/L = 9.800

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0804
.301 -.2374
.500 -.2307 -.3292 -.3650 -.3543
.700 -.0880
.899 .0001

MM01 (3) = 1.503 BETA (4) = 1.910 RV/L = 9.800

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0366
.301 -.2366
.500 -.1634 -.3130 -.3612 -.3593
.700 -.0727
.899 -.0320

MM01 (3) = 1.503 BETA (5) = 3.980 RV/L = 9.800

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0216
.301 -.2207
.500 -.1320 -.2634 -.3366 -.3564
.700 -.0665
.899 -.0660

66F4023)

DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 281 - 1A69
 1A69 C1 F1 UPPER WING SURFACE

MAOH (4) = 1.991 BETA (1) = -3.830 RVL = 13.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0766
 .301 -.1905
 .500 -.1623 -.2094 -.2191 -.1979
 .700 -.2051
 .899 -.0749

MAOH (4) = 1.991 BETA (2) = -1.900 RVL = 13.807

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0446
 .301 -.1463
 .500 -.1619 -.2176 -.2196 -.2081
 .700 -.1827
 .899 -.0711

MAOH (4) = 1.991 BETA (3) = .050 RVL = 13.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0573
 .301 -.1455
 .500 -.1994 -.2145 -.2112 -.2081
 .700 -.1692
 .899 -.0791

MAOH (4) = 1.991 BETA (4) = 2.070 RVL = 13.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0429
 .301 -.1372
 .500 -.1452 -.2044 -.2072 -.2047
 .700 -.1272
 .899 -.0759

TABULATED SOURCE DATA, R.I. TMT 201 - 1A68

66F4J133

UPPER WING SURFACE

RMVL = 13.800

1A68 C1 F1

BETA (5) = 3.680

MACM (4) = 1.691

DEPENDENT VARIABLE OF

SECTION (1) UPPER WING

21/8 .3610 .4096 .6360 .7770

X/C

.102
.301
.500
.700
.899

.0378
-.1312
-.1400
-.1974
-.1204
-.0716

-.2096

-.1997

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I., TMT 201 - 1A68

(REPROD) (10 APR 74)

1A68 C1 F1 MI(1)

UPPER MINE SURFACE

PARAMETER DATA

BETA = .000

REFERENCE DATA

SEEF = 2680.0000 \$2.FT. 246P = .0000
 LREF = 1328.3000 IN. 146P = .0000
 BREF = 1328.3000 IN. 246P = .0000
 SCALE = .0040

MACH (1) = .696 ALPHA (1) = -3.870 RV/L = 6.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6390 .7770

X/C

.102 .0814
 .301 -.3256
 .500 -.2289 -.3286 -.4819 -.6531
 .700 -.3677
 .899 -.1674

MACH (1) = .696 ALPHA (2) = -2.000 RV/L = 6.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6390 .7770

X/C

.102 .0000
 .301 .0000
 .500 .0000 .0000 .0000 .0000
 .700 .0000
 .899 .0000

MACH (1) = .696 ALPHA (3) = .000 RV/L = 6.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6390 .7770

X/C

.102 .0000
 .301 .0000
 .500 .0000 .0000 .0000 .0000
 .700 .0000
 .899 .0000

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 201 - 1A60

(PFAUDM)

1A60 CI F1 MI (1) UPPER MINE SURFACE

NMO1 (1) = .606 ALPHA (4) = 2.000 RVL = 6.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

Z/FB .3610 .4996 .6380 .7770

N/C

.102 .0000
 .301 .0000
 .500 .0000
 .700 .0000
 .899 .0000

NMO1 (1) = .606 ALPHA (5) = 304.000 RVL = 6.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

Z/FB .3610 .4996 .6380 .7770

N/C

.102 .0000
 .301 .0000
 .500 .0000
 .700 .0000
 .899 .0000

NMO1 (2) = 1.211 ALPHA (1) = -3.910 RVL = 7.400

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

Z/FB .3610 .4996 .6380 .7770

N/C

.102 .1502
 .301 -.1809
 .500 -.0167
 .700 .0283
 .899 -.1042

NMO1 (2) = 1.211 ALPHA (2) = -1.930 RVL = 7.400

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

Z/FB .3610 .4996 .6380 .7770

N/C

.102 .0729
 .301 -.2450
 .500 -.0743
 .700 .0228
 .899 -.1045

-.1440
 -.3215
 -.4141

DATE 01 OCT 74

TABULATED SOURCE DATA, R.J. TMT 201 - 1A60

(RS400M)

1A60 C1 F1 M(1) UPPER MINE SURFACE

MOM (2) = 1.211 ALPHA (3) = .000 RV/L = 7.400

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

1/C

.102

.301

.500

.700

.899

MOM (2) = 1.211 ALPHA (4) = 1.930 RV/L = 7.400

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

1/C

.102

.301

.500

.700

.899

MOM (2) = 1.211 ALPHA (5) = 3.900 RV/L = 7.400

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

1/C

.102

.301

.500

.700

.899

MOM (2) = 1.503 ALPHA (1) = -3.960 RV/L = 9.600

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

1/C

.102

.301

.500

.700

.899



DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68
 1A68 CI F1 M1 (1) UPPER MINE SURFACE
 (RF4004)

MAON (3) = 1.503 ALPHA (2) = -1.870 RVL = 9.800

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

Z/C

.102 .0894
 .301 -.8033
 .500 -.1960 -.2962 -.3896 -.3817
 .700 -.0334
 .899 .0139

MAON (3) = 1.503 ALPHA (3) = .070 RVL = 9.800

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

Z/C

.102 .0361
 .301 -.2444
 .500 -.2296 -.3374 -.3520 -.3850
 .700 -.0656
 .899 .0227

MAON (3) = 1.503 ALPHA (4) = 1.980 RVL = 9.800

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

Z/B / .3610 .4996 .6380 .7770

Z/C

.102 -.0105
 .301 -.2774
 .500 -.2296 -.3617 -.3817 -.4034
 .700 -.1404
 .899 -.0435

MAON (3) = 1.503 ALPHA (5) = 3.930 RVL = 9.800

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6380 .7770

Z/C

.102 -.0346
 .301 -.3091
 .500 -.2385 -.3965 -.4254 -.4027
 .700 -.1469
 .899 -.0305

TABULATED SOURCE DATA, R.I. TWT 201 - 1A68

(REFALUM)

1A68 CI FI MI (1) UPPER WING SURFACE

MACN (4) = 1.901 ALPHA (1) = -3.910 RV/L = 13.000

SECTION (1) UPPER WING DEPENDENT VARIABLE C_P

27/8 .3610 .4996 .6360 .7770

3/4 C

.102 .1625
.301 -.0750
.500 -.1077
.700 -.1616
.899 -.1640
-0.0697
-0.0165

MACN (4) = 1.901 ALPHA (2) = -2.000 RV/L = 13.000

SECTION (1) UPPER WING DEPENDENT VARIABLE C_P

27/8 .3610 .4996 .6360 .7770

3/4 C

.102 .1100
.301 -.1052
.500 -.1293
.700 -.1679
-0.0402
-0.1827
-0.1768
-0.1331

MACN (4) = 1.901 ALPHA (3) = -.000 RV/L = 13.000

SECTION (1) UPPER WING DEPENDENT VARIABLE C_P

27/8 .3610 .4996 .6360 .7770

3/4 C

.102 .0835
.301 -.1416
.500 -.1532
.700 -.2107
-0.0591
-0.2069
-0.2091
-0.1803

MACN (4) = 1.901 ALPHA (4) = 1.910 RV/L = 13.000

SECTION (1) UPPER WING DEPENDENT VARIABLE C_P

27/8 .3610 .4996 .6360 .7770

3/4 C

.102 .0149
.301 -.1661
.500 -.1726
.700 -.2336
-0.089
-0.2353
-0.2331
-0.1943
-0.1050



DATE ON OCT 76 TABLED SOURCE DATA, R.I. TWT 201 - 1460 (REFLECTOR)

1460 (40 ± 1.001 ALPHA (5) ± 3.000 RWL ± 13.000

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

27/8 .3030 .4000 .6300 .7770

R/C

| | | | |
|------|--------|--------|--------|
| .102 | -.0034 | | |
| .501 | -.1006 | | |
| .500 | -.1000 | -.0030 | -.2546 |
| .700 | -.0704 | | |
| .000 | -.1316 | | |

TABULATED SOURCE DATA, R.I. TWP 281 - 1A69

DATE 08 OCT 74

06F4033 (18 APR 74)

UPPER WING SURFACE

1A69 C1 F1 M3 (1)

PARAMETRIC DATA

ALPHA = .000

REFERENCE DATA

SEF = 2800.0000 32.FT. 1969 = .0000
 URF = 1309.3000 IN. 1969 = .0000
 6937 = 1329.3000 IN. 2469 = .0000
 SCALE = .0000

MACN (1) = .686 BETA (1) = -3.660 RM/L = 6.700

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

27/8 .3610 .4996 .6360 .7770

Y/C

.102 .0000
 .301 -.6644
 .500 -.2318
 .700 -.1529
 .899 -.0803

MACN (1) = .686 BETA (2) = -1.660 RM/L = 6.700

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

27/8 .3610 .4996 .6360 .7770

Y/C

.102 .0000
 .301 -.5907
 .500 -.2442
 .700 -.3632
 .899 -.0868

MACN (1) = .686 BETA (3) = .030 RM/L = 6.700

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

27/8 .3610 .4996 .6360 .7770

Y/C

.102 .0000
 .301 -.4974
 .500 -.3123
 .700 -.4127
 .899 -.1267



DATE OF OCT 74
 TABLED SOURCE DATA, R.I. NAT 201 - 1468
 1468 CI FI MI (1) UPPER MINE SURFACE
 OFF-0003

MAON (1) = .006 BETA (4) = 1.000 RML = 6.770

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4006 .6300 .7770

1/C

.102 .0000
 .301 -.3008
 .500 -.3021
 .700 -.4468
 .899 -.8124

MAON (1) = .006 BETA (5) = 3.000 RML = 6.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4006 .6300 .7770

1/C

.102 .0000
 .301 -.3008
 .500 -.3021
 .700 -.4468
 .899 -.8124

MAON (2) = 1.000 BETA (1) = -3.000 RML = 7.400

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4006 .6300 .7770

1/C

.102 .0000
 .301 -.3008
 .500 -.3021
 .700 -.4468
 .899 -.8124

MAON (2) = 1.000 BETA (2) = -1.000 RML = 7.400

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

ST/B .3610 .4006 .6300 .7770

1/C

.102 .0000
 .301 -.3008
 .500 -.3021
 .700 -.4468
 .899 -.8124

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 201 - 1469

(57-4025)

1469 CI FT NG (1) UPPER WING SURFACE

MAG (2) = 1.209 BETA (3) = -.040 RWL = 7.400

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

Z/F .3610 .4996 .6390 .7770

Z/C

.102 .0000
 .301 -.3073
 .500 -.1167 -.8636 -.4010 -.4797
 .700 -.0006
 .899 -.1232

MAG (2) = 1.209 BETA (4) = 1.870 RWL = 7.400

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

Z/F .3610 .4996 .6390 .7770

Z/C

.102 .0000
 .301 -.2567
 .500 -.1137 -.1793 -.3403 -.4452
 .700 -.0392
 .899 -.1593

MAG (2) = 1.209 BETA (5) = 3.980 RWL = 7.400

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

Z/F .3610 .4996 .6390 .7770

Z/C

.102 .0000
 .301 -.1601
 .500 -.1356 -.1852 -.2862 -.3594
 .700 -.0766
 .899 -.1657

MAG (3) = 1.503 BETA (1) = -3.970 RWL = 9.800

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

Z/F .3610 .4996 .6390 .7770

Z/C

.102 .0620
 .301 -.2982
 .500 -.2416 -.3427 -.3695 -.3710
 .700 -.1572
 .899 -.0015



TABULATED SOURCE DATA, R.I. TWT 201 - 1A69

(65425)

1A69 CI F1 M(1) UPPER WING SURFACE

MACH (3) = 1.503 BETA (2) = -2.030 RV/L = 9.800

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6360 .7770

Z/Y/C

.102 .0825
.301 -.2473
.500 -.2465 -.3414 -.3697 -.3660
.700 -.1411
.899 -.0046

MACH (3) = 1.503 BETA (3) = -.130 RV/L = 9.800

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6360 .7770

Z/Y/C

.102 .0295
.301 -.2432
.500 -.2378 -.3328 -.3686 -.3636
.700 -.0854
.899 .0042

MACH (3) = 1.503 BETA (4) = 1.600 RV/L = 9.800

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6360 .7770

Z/Y/C

.102 .0177
.301 -.2353
.500 -.2483 -.2599 -.3533 -.3626
.700 -.0745
.899 -.0931

MACH (3) = 1.503 BETA (5) = 3.040 RV/L = 9.800

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6360 .7770

Z/Y/C

.102 .0017
.301 -.2111
.500 -.1102 -.2114 -.3179 -.3515
.700 -.0709
.899 -.0619

(REPLACES)

UPPER MING SURFACE

1468 C3 F1 M1 (1)

MACH (4) = 1.991 BETA (1) = -3.790 RV/L = 13.800

SECTION (1) UPPER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0870
 .301 -.1499
 .500 -.1606 -.2315 -.2194 -.2015
 .700 -.2075
 .899 -.0707

MACH (4) = 1.991 BETA (2) = -1.870 RV/L = 13.800

SECTION (1) UPPER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0535
 .301 -.1485
 .500 -.1594 -.2210 -.2219 -.2127
 .700 -.1816
 .899 -.0661

MACH (4) = 1.991 BETA (3) = -.010 RV/L = 13.800

SECTION (1) UPPER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0565
 .301 -.1460
 .500 -.1572 -.2141 -.2127 -.2145
 .700 -.1665
 .899 -.0765

MACH (4) = 1.991 BETA (4) = 1.950 RV/L = 13.800

SECTION (1) UPPER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0521
 .301 -.1344
 .500 -.1421 -.2124 -.2074 -.2061
 .700 -.1233
 .899 -.0737



TABULATED SOURCE DATA, R.I. TMT 281 - 1A69

(85-4033)

UPPER MINE SURFACE

1A69 C1 F1 M1 (1)

RM/L = 13.873

BETA (5) = 3.790

MACH (4) = 1.991

DEPENDENT VARIABLE CP

SECTION (1) UPPER MINE

27/8 .3610 .4996 .6390 .7770

X/C

.102
.301
.500
.700
.899

.0431
-.1274
-.1920
-.2080
-.2000
-.1169
-.0704

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 201 - 1468

(REFLUX) (14 APR 74)

1468 C1 F1 M2(1) UPPER WING SURFACE

PARAMETRIC DATA

BETA = .020

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

MAG1 (1) = .696 ALPHA (1) = .000 RVL = 6.500
 SECTION (1) UPPER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 -.1692
 .301 -.5882
 .500 -.3499 -.3985 -.6323 -.8412
 .700 -.4201
 .899 -.3506

MAG1 (2) = 1.223 ALPHA (1) = .000 RVL = 7.300
 SECTION (1) UPPER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 -.0339
 .301 -.3492
 .500 -.1308 -.3556 -.4256 -.4427
 .700 -.0082
 .899 -.0695



DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1468

PAGE 135

1468 C1 F1 M2(1) + FILLET UPPER WING SURFACE (REPLD7) (18 APR 74)

REFERENCE DATA

SEF = 2890.0000 SQ.FT. MRP = .0000
 LEF = 1328.3000 IN. MRP = .0000
 REF = 1328.3000 IN. MRP = .0000
 SCALE = .0040

MACH (1) = .896 ALPHA (1) = -3.870 RVL = 6.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C

.102 .1333
 .301 -.3022
 .500 -.2373 -.3325 -.4682 -.6301
 .700 .7000 -.3925
 .899 -.2104

MACH (1) = .896 ALPHA (2) = -1.920 RVL = 6.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C

.102 .0216
 .301 -.3921
 .500 -.2576 -.3676 -.5255 -.6970
 .700 -.4037
 .899 -.2036

MACH (1) = .896 ALPHA (3) = .000 RVL = 6.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C

.102 -.1013
 .301 -.4568
 .500 -.3023 -.3767 -.5946 -.7853
 .700 -.4187
 .899 -.1627

PARAMETRIC DATA

BETA = .000

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR.

(REF 4UJ77)

1A69 C1 F1 M2(1) † FILLET UPPER WING SURFACE

MACH (1) = .686 ALPHA (4) = 1.690 RV/L = 6.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

27/B .3610 .4996 .6360 .7770

X/C

.102 -.2355
 .301 -.6196
 .500 -.3576 -.4053 -.6662 -.6994
 .700 -.4251
 .899 -.1156

MACH (1) = .686 ALPHA (5) = 3.790 RV/L = 6.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

27/B .3610 .4996 .6360 .7770

X/C

.102 -.3794
 .301 -.7167
 .500 -.4032 -.4742 -.7671 -.7296
 .700 -.3295
 .899 -.1324

MACH (2) = 1.206 ALPHA (1) = -3.950 RV/L = 7.400

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

27/B .3610 .4996 .6360 .7770

X/C

.102 .2436
 .301 -.0402
 .500 .0213 .0113 -.0762 -.1967
 .700 .0175
 .899 -.1107

MACH (2) = 1.206 ALPHA (2) = -2.000 RV/L = 7.400

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

27/B .3610 .4996 .6360 .7770

X/C

.102 .1365
 .301 -.1975
 .500 -.0371 -.0697 -.1687 -.3065
 .700 .0268
 .899 -.1218



DATE OF OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68
 1A68 C1 F1 M2(1) + FILLET UPPER MING SURFACE
 (SF4UJ37)

MAOH (2) = 1.206 ALPHA (3) = -.070 RVL = 7.400

SECTION (1) UPPER MING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C

.102 .0420
 .301 -.2634
 .500 -.1044 -.1731 -.3509 -.4322
 .700 -.0021
 .899 -.1215

MAOH (2) = 1.206 ALPHA (4) = 1.870 RVL = 7.400

SECTION (1) UPPER MING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C

.102 -.0655
 .301 -.3399
 .500 -.1737 -.3562 -.4445 -.5153
 .700 -.0167
 .899 -.1405

MAOH (2) = 1.206 ALPHA (5) = 3.850 RVL = 7.400

SECTION (1) UPPER MING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C

.102 -.1648
 .301 -.4140
 .500 -.2873 -.4639 -.5294 -.6110
 .700 -.0738
 .899 -.1716

MAOH (3) = 1.503 ALPHA (1) = -.350 RVL = 9.600

SECTION (1) UPPER MING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C

.102 .1596
 .301 -.1244
 .500 -.0273 -.1529 -.2351 -.2536
 .700 .0936
 .899 .0214

DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68
 1A68 C1 F1 M2(1) + FILLET UPPER WING SURFACE
 (RF4U077)

MACH (3) = 1.503 ALPHA (2) = -1.900 RV/L = 9.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .0794
 .301 -.1827
 .500 -.0827 -.2408 -.2524 -.3044
 .700 .0222
 .899 .0082

MACH (3) = 1.503 ALPHA (3) = .010 RV/L = 9.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .0276
 .301 -.2353
 .500 -.1486 -.2336 -.3466 -.3555
 .700 -.0455
 .899 -.0046

MACH (3) = 1.503 ALPHA (4) = 1.940 RV/L = 9.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 -.0213
 .301 -.2804
 .500 -.2315 -.3481 -.3624 -.3568
 .700 -.0850
 .899 -.0366

MACH (3) = 1.503 ALPHA (5) = 3.610 RV/L = 9.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 -.1005
 .301 -.3145
 .500 -.2755 -.3914 -.4262 -.4052
 .700 -.1165
 .899 -.0798



DATE 01 OCT 74
 LABELED SOURCE DATA, R.I. TWT 281 - 1488
 1488 CI F1 M2(1) + FILLET UPPER MING SURFACE
 (5F4UD7)

MAC1 (4) = 1.991 ALPHA (1) = -4.080 RV/L = 10.600

SECTION (1) UPPER MING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .1880
 .301 -.0203
 .500 -.0809 -.1394 -.1533 -.1395
 .700 -.0556
 .899 .0255

MAC1 (4) = 1.991 ALPHA (2) = -1.900 RV/L = 10.600

SECTION (1) UPPER MING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .1024
 .301 -.0946
 .500 -.1189 -.1708 -.1802 -.1696
 .700 -.0986
 .899 -.0142

MAC1 (4) = 1.991 ALPHA (3) = .100 RV/L = 10.600

SECTION (1) UPPER MING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .0258
 .301 -.1346
 .500 -.1477 -.2051 -.2016 -.1998
 .700 -.1406
 .899 -.0546

MAC1 (4) = 1.991 ALPHA (4) = 2.120 RV/L = 10.600

SECTION (1) UPPER MING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 -.0290
 .301 -.1663
 .500 -.1728 -.2314 -.2370 -.2302
 .700 -.1768
 .899 -.1025



DATE 03 OCT 74 TABULATED SOURCE DATA, R.I. TRF 891 - 1469

(SF4007)

1469 C3 F1 M2(1) + FILLET UPPER MING SURFACE

MACH (4) = 1.991 ALPHA (5) = 4.070 RVL = 10.600

SECTION (1) UPPER MING DEPENDENT VARIABLE OF

Z1/8 .3610 .4996 .6390 .7770

Z/C

.102
 .304
 .500
 .700
 .899

-.0633
 -.8037
 -.1938
 -.2506
 -.2231
 -.1446

-.2544



DATE ON OCT 74

TABULATED SOURCE DATA, R.I. TMT 201 - 1A60

PAGE 141

1A60 CI F1 ME(1) + FILLET UPPER MINE SURFACE

REFALD(0) (18 APR 74)

REFERENCE DATA

REF = 2800.0000 82.FT. 344P = .0000
LREF = 1320.3000 IN. 144P = .0000
BREF = 1320.3000 IN. 244P = .0000
SCALE = .0040

PARAMETRIC DATA

ALPHA = .000

MACI (1) = .606 BETA (1) = -3.830 RM/L = 6.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 -.1801
.301 -.5008
.500 -.2430 -.3452 -.6130 -.8211
.700 -.3024
.899 -.0659

MACI (1) = .606 BETA (2) = -1.950 RM/L = 6.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 -.1501
.301 -.5483
.500 -.2809 -.3925 -.6140 -.8033
.700 -.3681
.899 -.0863

MACI (1) = .606 BETA (3) = -.030 RM/L = 6.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 -.1117
.301 -.4813
.500 -.3035 -.3720 -.5917 -.7956
.700 -.4146
.899 -.1493

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR



(0840J35)

DATE 01 OCT 74
 LABELED SOURCE DATA, R.I. TWT 201 - 1462
 1462 CI F1 MB(1) + FILLET UPPER MINE SURFACE

MAON (1) = .696 BETA (4) = 1.660 RV/L = 6.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

N/C

.102 -.0865
 .301 -.4235
 .500 -.3625
 .700 -.4422
 .899 -.2266

MAON (1) = .696 BETA (5) = 3.610 RV/L = 6.700

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

N/C

.102 -.0562
 .301 -.4050
 .500 -.3329
 .700 -.4684
 .899 -.2326

MAON (2) = 1.210 BETA (1) = -3.660 RV/L = 7.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

N/C

.102 .0109
 .301 -.3162
 .500 -.1114
 .700 .0446
 .899 -.0745

MAON (2) = 1.210 BETA (2) = -1.630 RV/L = 7.500

SECTION (1) UPPER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

N/C

.102 .0143
 .301 -.3008
 .500 -.1174
 .700 .0302
 .899 -.0817



DATE 08 OCT 74

TABULATED SOURCE DATA, R.I. TMF 201 - 1A68

PAGE 143

1A68 C1 F1 ME(1) + FILLET UPPER WING SURFACE 65F4J000

MACH (2) = 1.210 BETA (3) = .140 RWL = 7.500

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C

| | |
|------|--------|
| .102 | .0266 |
| .301 | -.2680 |
| .500 | -.1095 |
| .700 | -.1692 |
| .899 | -.3093 |
| | -.4457 |
| | -.0051 |
| | -.1257 |

MACH (2) = 1.210 BETA (4) = 2.130 RWL = 7.500

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C

| | |
|------|--------|
| .102 | .0433 |
| .301 | -.2435 |
| .500 | -.1028 |
| .700 | -.1537 |
| .899 | -.3167 |
| | -.4134 |
| | -.0342 |
| | -.1516 |

MACH (2) = 1.210 BETA (5) = 4.070 RWL = 7.500

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C

| | |
|------|--------|
| .102 | .0814 |
| .301 | -.1880 |
| .500 | -.1275 |
| .700 | -.1692 |
| .899 | -.2720 |
| | -.3001 |
| | -.0264 |
| | -.1695 |

MACH (3) = 1.991 BETA (1) = -3.800 RWL = 10.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z/B .3610 .4996 .6360 .7770

X/C

| | |
|------|--------|
| .102 | .0506 |
| .301 | -.1372 |
| .500 | -.1539 |
| .700 | -.2166 |
| .899 | -.2123 |
| | -.1836 |
| | -.1674 |
| | -.0566 |



TABULATED SOURCE DATA, R.I. TWT 200 - 1468

(67-6133)

1468 C1 P1 M2(1) + FILLET UPPER WING SURFACE

DATE 03 OCT 74

MACH (3) = 1.991 BETA (2) = -1.760 RV/L = 10.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

| | |
|------|--------|
| .102 | .0800 |
| .301 | -.1393 |
| .500 | -.1929 |
| .700 | -.2061 |
| .899 | -.2108 |
| | -.2029 |
| | -.1617 |
| | -.0630 |

MACH (3) = 1.991 BETA (3) = .210 RV/L = 10.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

| | |
|------|--------|
| .102 | .0897 |
| .301 | -.1346 |
| .500 | -.1491 |
| .700 | -.2047 |
| .899 | -.2037 |
| | -.2001 |
| | -.1449 |
| | -.0637 |

MACH (3) = 1.991 BETA (4) = 2.160 RV/L = 10.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

| | |
|------|--------|
| .102 | .0535 |
| .301 | -.1280 |
| .500 | -.1424 |
| .700 | -.1970 |
| .899 | -.2038 |
| | -.1969 |
| | -.1191 |
| | -.0602 |

MACH (3) = 1.991 BETA (5) = 4.080 RV/L = 10.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

| | |
|------|--------|
| .102 | .0425 |
| .301 | -.1245 |
| .500 | -.1129 |
| .700 | -.1661 |
| .899 | -.2073 |
| | -.1964 |
| | -.1026 |
| | -.0478 |



PARAMETRIC DATA

BETA = .000

REFERENCE DATA

REF = 2890.0000 IN. FT. WARP = .0000
 REF = 1328.3000 IN. WARP = .0000
 REF = 1328.3000 IN. WARP = .0000
 SCALE = .0040

MCH (1) = .896 ALPHA (1) = -3.900 RVL = 6.500

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 -.0278
 .301 -.4045
 .500 -.2616 -.3636 -.5370 -.7042
 .700 -.3993
 .899 -.3085

MCH (1) = .896 ALPHA (2) = -1.940 RVL = 6.500

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 -.1227
 .301 -.6108
 .500 -.3105 -.3590 -.5683 -.7804
 .700 -.3993
 .899 -.3234

MCH (1) = .896 ALPHA (3) = .000 RVL = 6.500

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 -.2146
 .301 -.6885
 .500 -.3734 -.4228 -.7246 -.8855
 .700 -.4129
 .899 -.2934



DATE ON OCT 74

TABLED SOURCE DATA, No. 1, INT 201 - 14.5

(OFF-AUTOS)

1A68 CI F1 NO(1) M(1) UPPER WING SURFACE

MACH (1) = .896 ALPHA (4) = 1.910 RVL = 6.500

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

1/C

.102 -.3034
.301 -.7916
.500 -.4832 -.4800 -.0836 -.9077
.700 -.4159
.899 -.8085

MACH (1) = .896 ALPHA (5) = 3.840 RVL = 6.500

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

1/C

.102 -.3666
.301 -.8448
.500 -.4900 -.6024 -.8843 -.8165
.700 -.3789
.899 -.2163

MACH (2) = 1.259 ALPHA (1) = -3.940 RVL = 7.200

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

1/C

.102 .2220
.301 -.2366
.500 -.1391 -.3049 -.3680 -.4465
.700 .0181
.899 -.1186

MACH (2) = 1.259 ALPHA (2) = -1.960 RVL = 7.500

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

1/C

.102 .1526
.301 -.2695
.500 -.2199 -.3659 -.4166 -.4652
.700 .0013
.899 -.1214





DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 201 - 1A69

(SF4UD9)

1A69 C1 F1 M3(1) M4(1) UPPER WING SURFACE

MACH (2) = 1.208 ALPHA (3) = -.080 RV/L = 7.200

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .0009
.301 -.3083
.500 -.3084 -.4335 -.4696 -.5265
.700 -.0863
.899 -.1292

MACH (2) = 1.208 ALPHA (4) = 1.300 RV/L = 7.200

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .0204
.301 -.3608
.500 -.3777 -.4725 -.5335 -.5687
.700 -.0944
.899 -.1336

MACH (2) = 1.208 ALPHA (5) = 3.000 RV/L = 7.200

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 -.0543
.301 -.3947
.500 -.4216 -.5087 -.5737 -.6143
.700 -.1242
.899 -.1526

MACH (3) = 1.503 ALPHA (1) = -3.000 RV/L = 9.000

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .2202
.301 -.1225
.500 -.1969 -.2522 -.2671 -.2831
.700 -.0399
.899 .0236



DATE 03 OCT 74 TABULATED SOURCE DATA, R.I. TWT 801 - 1A66 (REFALDS)

1A66 CI FI MS(1) MS(1) UPPER WING SURFACE

MAO1 (3) = 1.503 ALPHA (2) = -1.855 RV/L = 9.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .1561
.301 -.1564
.500 -.2169 -.2747 -.3009 -.2666
.700 -.0974
.899 -.0072

MAO1 (3) = 1.503 ALPHA (3) = .120 RV/L = 9.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .1058
.301 -.2012
.500 -.2570 -.3020 -.3294 -.3303
.700 -.1482
.899 -.0396

MAO1 (3) = 1.503 ALPHA (4) = 2.120 RV/L = 9.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0891
.301 -.2325
.500 -.2530 -.3234 -.3603 -.3668
.700 -.2071
.899 -.0802

MAO1 (3) = 1.503 ALPHA (5) = 4.030 RV/L = 9.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 -.0054
.301 -.2627
.500 -.2695 -.3500 -.3900 -.4045
.700 -.2697
.899 -.1058



TABULATED SOURCE DATA, R.I. TWT 201 - 1A68

08-4110 (18 APR 74)

1A68 C1 F1 M3(1) M4(1) UPPER WING SURFACE

PARAMETRIC DATA

ALPHA = .000

REFERENCE DATA

REF = 2690.0000 90.FT. WARP = .0000
 UREF = 1328.3000 IN. WARP = .0000
 SREF = 1328.3000 IN. ZARP = .0000
 SCALE = .0040

MACH (1) = .697 BETA (1) = -3.980 RV/L = 6.900

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6390 .7770

X/C
 .102 -.1474
 .301 -.6425
 .500 -.5377
 .700 -.5722
 .899 -.0761

MACH (1) = .697 BETA (2) = -1.970 RV/L = 6.900

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6390 .7770

X/C
 .102 -.1877
 .301 -.6717
 .500 -.3500
 .700 -.4050
 .899 -.3994

MACH (1) = .697 BETA (3) = -.080 RV/L = 6.900

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6390 .7770

X/C
 .102 -.2322
 .301 -.7072
 .500 -.3630
 .700 -.4357
 .899 -.4163

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR



00F4U109

1A69 C1 F1 NS(1) M(1) UPPER WING SURFACE

MACH (1) = .697 BETA (4) = 1.930 RV/L = 6.500

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 -.2640
 .301 -.7555
 .500 -.4014
 .700 -.4468
 .899 -.3599

MACH (1) = .697 BETA (5) = 3.040 RV/L = 6.500

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4360 .7770

X/C

.102
 .301
 .500
 .700
 .899

MACH (2) (1) = -3.990 RV/L = 7.400

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .1750
 .301 -.2705
 .500 -.1883
 .700 -.3659
 .899 -.4131

MACH (2) = 1.210 BETA (2) = -2.070 RV/L = 7.400

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z1/B .3610 .4996 .6380 .7770

X/C

.102 .1362
 .301 -.2699
 .500 -.2479
 .700 -.4079
 .899 -.4571



06F4U10)

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TMF 281 - 1A68

1A68 C1 F1 MS(1) M(1) UPPER WING SURFACE

MACI (2) = 1.210 BETA (3) = -.130 RV/L = 7.400

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 .0805
 .301 -.3052
 .500 -.3003 -.4341 -.4908 -.5306
 .700 -.0534
 .899 -.1320

MACI (2) = 1.210 BETA (4) = 1.620 RV/L = 7.400

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 .0161
 .301 -.3362
 .500 -.3572 -.4598 -.5137 -.5486
 .700 -.0923
 .899 -.1540

MACI (2) = 1.210 BETA (5) = 3.780 RV/L = 7.400

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 -.0600
 .301 -.3784
 .500 -.4183 -.4988 -.5439 -.5784
 .700 -.1317
 .899 -.1936

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

PAGE 152

1A68 C1 F1 M1 (1)

UPPER WING SURFACE

(GF40J11) (19 APR 74)

REFERENCE DATA

SREF = 2690.000 SQ.FT. YARP = .0000
 LREF = 1328.3000 IN. YARP = .0000
 BREF = 1328.3000 IN. ZARP = .0000
 SCALE = .0040

MACH (1) = 1.503 ALPHA (1) = -3.700 RV/L = 9.600

BETA = .000

PARAMETRIC DATA

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

| 21/B | .3610 | .4996 | .6380 | .7770 |
|------|--------|--------|--------|--------|
| Y/C | | | | |
| .102 | | | -.0823 | |
| .301 | | | -.3024 | |
| .500 | -.2771 | -.3678 | -.4209 | -.4019 |
| .700 | | -.1368 | | |
| .899 | | -.0616 | | |

MACH (1) = 1.503 ALPHA (2) = -1.780 RV/L = 9.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

| 21/B | .3610 | .4996 | .6380 | .7770 |
|------|--------|--------|--------|--------|
| Y/C | | | | |
| .102 | | | .0052 | |
| .301 | | | -.2694 | |
| .500 | -.2528 | -.3563 | -.3886 | -.4004 |
| .700 | | -.1197 | | |
| .899 | | -.0339 | | |

MACH (1) = 1.503 ALPHA (3) = .120 RV/L = 9.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

| 21/B | .3610 | .4996 | .6380 | .7770 |
|------|--------|--------|--------|--------|
| Y/C | | | | |
| .102 | | | .0638 | |
| .301 | | | -.2334 | |
| .500 | -.2261 | -.3259 | -.3560 | -.3589 |
| .700 | | -.0823 | | |
| .899 | | .0017 | | |



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 201 - 1A68

08F4U111

1A68 C1 F1 M(1) UPPER WING SURFACE

MACH (1) = 1.503 ALPHA (4) = 2.010 RV/L = 9.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C
.102 .1127
.301 -.2129
.500 -.1982 -.2952 -.3945 -.3220
.700 -.0313
.899 .0141

MACH (1) = 1.503 ALPHA (5) = 4.040 RV/L = 9.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C
.102 .1617
.301 -.1680
.500 -.1577 -.2534 -.2694 -.2944
.700 .0271
.899 .0299

MACH (2) = 1.991 ALPHA (1) = -3.860 RV/L = 13.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C
.102 .1515
.301 -.0763
.500 -.1065 -.1618 -.1662 -.1513
.700 -.0909
.899 -.0186

MACH (2) = 1.991 ALPHA (2) = -1.940 RV/L = 13.600

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6360 .7770

X/C
.102 .1026
.301 -.1091
.500 -.1286 -.1889 -.1842 -.1783
.700 -.1302
.899 -.1411

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4U11)

1A68 C1 F1 M1(1) UPPER WING SURFACE

MACH (2) = 1.991 ALPHA (3) = .000 RV/L = 13.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

| | |
|------|--------|
| .102 | .0675 |
| .301 | -.1385 |
| .500 | -.1519 |
| .700 | -.2033 |
| .899 | -.2047 |
| | -.2040 |
| | -.1629 |
| | -.0708 |

MACH (2) = 1.991 ALPHA (4) = 1.980 RV/L = 13.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

| | |
|------|--------|
| .102 | .0108 |
| .301 | -.1658 |
| .500 | -.1726 |
| .700 | -.2322 |
| .899 | -.2326 |
| | -.2500 |
| | -.1861 |
| | -.1095 |

MACH (2) = 1.991 ALPHA (5) = 3.910 RV/L = 13.800

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

| | |
|------|--------|
| .102 | -.0473 |
| .301 | -.1934 |
| .500 | -.1863 |
| .700 | -.2500 |
| .899 | -.2599 |
| | -.2516 |
| | -.2048 |
| | -.1288 |

DATE 01 OCT 74

06F4012 (16 APR 74)

UPPER WING SURFACE

1A68 C1 F1 ME(1)

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

REF = 2690.0000 SQ.FT. 1468 = .0000
 LEF = 1328.3000 IN. 1468 = .0000
 REF = 1328.3000 IN. 2468 = .0000
 SCALE = .0040

MACH (1) = 1.225 ALPHA (1) = .000 RWL = 7.300

SECTION (1) UPPER WING DEPENDENT VARIABLE OF

27/B .3610 .4996 .6360 .7770

W/C

.102 -.0330
 .301 -.3466
 .500 -.1326 -.3554 -.4846 -.4482
 .700 -.0086
 .899 -.0891

TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

DATE 01 OCT 74

(GFALON) (18 APR 74)

LOWER MING SURFACE

1A68 C1 F1

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. MRP = .0000
 LREF = 1328.3000 IN. YMRP = .0000
 BREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

MAO1 (1) = .663 ALPHA (1) = .000 RM/L = 6.400

SECTION (1) LOWER MING DEPENDENT VARIABLE OP

21/B .3610 .4996 .6380 .7770

X/C

.102 .0682
 .301 .0693
 .500 .0672 -.0007 -.1953
 .700 -.4498



TABULATED SOURCE DATA, R.I. TWT 201 - 1A68

REFALDZ (18 APR 74)

LOWER WING SURFACE

1A68 C1 F1

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SECF = 2680.0000 SQ.FT. WARP = .0000
 LREF = 1328.3000 IN. WARP = .0000
 SECF = 1328.3000 IN. ZARP = .0000
 SCALE = .0040

MACH (1) = .696 ALPHA (1) = -4.000 RWL = 6.700

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

27/B .3610 .4996 .6390 .7770

X/C

.102 -.0697
 .301 .0291
 .500 .0297 .0044 -.0800 -.1912
 .700 -.4546

MACH (1) = .696 ALPHA (2) = -2.000 RWL = 6.700

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

27/B .3610 .4996 .6390 .7770

X/C

.102 .0127
 .301 .0549
 .500 .0698 .0174 -.0697 -.1987
 .700 -.4409

MACH (1) = .696 ALPHA (3) = -.000 RWL = 6.700

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

27/B .3610 .4996 .6390 .7770

X/C

.102 .0901
 .301 .0893
 .500 .0899 .0366 -.0607 -.1500
 .700 -.4312

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TMT 201 - 1A69

(REALIER)

1A69 C3 F1 LOWER WING SURFACE

MAOY (1) = .696 ALPHA (4) = 1.800 RV/L = 6.700

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

ZT/B .3610 .4996 .6380 .7770

X/C

.102 .1649

.301 .1269

.500 .1033 .0531 -.0573 -.1329

.700 -.4252

MAOY (1) = .696 ALPHA (5) = 3.670 RV/L = 6.700

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

ZT/B .3610 .4996 .6380 .7770

X/C

.102 .2263

.301 .1610

.500 .1217 .0746 -.0217 -.1114

.700 -.4189

MAOY (2) = 1.211 ALPHA (1) = -3.910 RV/L = 7.500

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

ZT/B .3610 .4996 .6380 .7770

X/C

.102 .0991

.301 .1012

.500 .2259 .2096 .2705 .2253

.700 -.0582

MAOY (2) = 1.211 ALPHA (2) = -1.830 RV/L = 7.500

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

ZT/B .3610 .4996 .6380 .7770

X/C

.102 .1741

.301 .1423

.500 .2523 .2632 .3120 .2267

.700 -.0369



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(05FAL120)

1A68 C1 F1 LOWER MINE SURFACE

MMO4 (2) = 1.211 ALPHA (3) = .150 RMVL = 7.500

SECTION (1) LOWER MINE DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 .2573
.301 .2561
.500 .3038 .3120 .2514
.700 -.0257

MMO4 (2) = 1.211 ALPHA (4) = 2.120 RMVL = 7.500

SECTION (1) LOWER MINE DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 .3218
.301 .2632
.500 .2645 .2599 .2661 .2513
.700 -.0325

MMO4 (2) = 1.211 ALPHA (5) = 4.030 RMVL = 7.500

SECTION (1) LOWER MINE DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 .3633
.301 .3140
.500 .2578 .3106 .2567 .2624
.700 -.0322

MMO4 (3) = 1.503 ALPHA (1) = -3.630 RMVL = 9.700

SECTION (1) LOWER MINE DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 -.1516
.301 .2740
.500 .2402 .2072 .2197 .0001
.700 .0874

DATE 02 OCT 74

TABULATED SOURCE DATA, R.I. TMT 261 - 1A68

(6F4L02)

1A68 C1 F1 LOWER MINE SURFACE

MACH (3) = 1.503 ALPHA (2) = -1.680 RV/L = 9.700

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 -.0473
 .301 .2634
 .500 .2989 .2624 .0800
 .700 .1105

MACH (3) = 1.503 ALPHA (3) = .120 RV/L = 9.700

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0474
 .301 .2634
 .500 .3548 .3334 .0800
 .700 .1228

MACH (3) = 1.503 ALPHA (4) = 2.010 RV/L = 9.700

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2936
 .301 .2926
 .500 .3586 .3410 .0800
 .700 .1446

MACH (3) = 1.503 ALPHA (5) = 3.950 RV/L = 9.700

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .4004
 .301 .3166
 .500 .3771 .3720 .0800
 .700 .1684



TABULATED SOURCE DATA, R.I. TWT 201 - 1A69

08F4102

LOWER WING SURFACE

MACH (4) = 1.991 ALPHA (1) = -3.770 RM/L = 10.800

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .0755
 .301 -.0411
 .500 .1685 .0836 .0000
 .700 .1104

MACH (4) = 1.991 ALPHA (2) = -1.960 RM/L = 10.800

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .1166
 .301 -.0160
 .500 .2361 .2121 .1488 .0000
 .700 .1294

MACH (4) = 1.991 ALPHA (3) = .080 RM/L = 10.800

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .1593
 .301 .0206
 .500 .2811 .2683 .2356 .0000
 .700 .1742

MACH (4) = 1.991 ALPHA (4) = 2.050 RM/L = 10.800

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .1467
 .301 .0864
 .500 .3193 .3334 .3327 .0000
 .700 .2103

DATE 01 OCT 74

(SF4L02)

LOWER MING SURFACE

RM/L = 10.800

1A68 C1 F1

WMO1 (4) = 1.991 ALPHA (5) = 4.050

DEPENDENT VARIABLE CP

SECTION (1) LOWER MING

21/8 .3610 .4996 .6380 .7770

X/C

.102
.301
.500
.700

.1951
.2916
.3670
.3614
.0000
.2380



TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

DATE 01 OCT 74

(REFALDS) (18 APR 74)

LOWER MING SURFACE

1A69 C1 F1

PARAMETRIC DATA

ALPHA = .100

REFERENCE DATA

SREF = 2890.0000 S2.FT. XREF = .0000
 UREF = 1328.3000 IN. YREF = .0000
 BREF = 1328.3000 IN. ZREF = .0000
 SCALE = .0040

MACH (1) = .699 BETA (1) = -3.750 RV/L = 6.600

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

ZY/B .3610 .4996 .6380 .7770

X/C

.102 .1866
 .301 .1799
 .500 .2274 .0371 -.1117
 .700 -.3822

MACH (1) = .699 BETA (2) = -1.860 RV/L = 6.600

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

ZY/B .3610 .4996 .6380 .7770

X/C

.102 .1431
 .301 .1357
 .500 .1610 .0805 -.0204 -.1334
 .700 -.4085

MACH (1) = .699 BETA (3) = .080 RV/L = 6.600

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

ZY/B .3610 .4996 .6380 .7770

X/C

.102 .1036
 .301 .0955
 .500 .0868 .0300 -.0462 -.1517
 .700 -.4341

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(REF-103)

LOWER MING SURFACE

DATE 01 OCT 74

1A68 C1 F1

MACH (1) = .699 BETA (4) = 1.970 RV/L = 6.600

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0660
.301 .0572
.500 .0351 -.0255 -.0816 -.1762
.700 -.4617

MACH (1) = .699 BETA (5) = 3.970 RV/L = 6.600

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0663
.301 .0519
.500 .0314 -.0446 -.1143 -.2044
.700 -.4521

MACH (2) = 1.1 BETA (1) = -3.890 RV/L = 7.500

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .3079
.301 .3640
.500 .4608 .4100 .3806 .2747
.700 .0317

MACH (2) = 1.211 BETA (2) = -1.900 RV/L = 7.500

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2870
.301 .3139
.500 .4045 .3734 .3364 .2628
.700 .0146

TABULATED SOURCE DATA, R.I. TMT 281 - 1A69

(REFLDS)

LOWER MING SURFACE

1A69 C1 F1

MACH (2) = 1.211 BETA (3) = .000 RV/L = 7.900

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2801
.301 .2463
.500 .2906 .3038 .3019 .8469
.700 -.0216

MACH (2) = 1.211 BETA (4) = 1.900 RV/L = 7.900

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2695
.301 .2428
.500 .2312 .2188 .2423 .2191
.700 -.0851

MACH (2) = 1.211 BETA (5) = 3.920 RV/L = 7.900

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2594
.301 .2370
.500 .2247 .1727 .1625 .1736
.700 -.1363

MACH (3) = 1.503 BETA (1) = -3.910 RV/L = 9.800

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0729
.301 .4205
.500 .4747 .0000 .4784 .4559
.700 .2281

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMF 281 - 1A68

(RF4L03)

1A68 C1 F1 LOWER WING SURFACE

MACH (3) = 1.503 BETA (2) = -1.980 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

| | |
|------|-------|
| .102 | .0482 |
| .301 | .3638 |
| .500 | .4120 |
| .700 | .4236 |
| | .4364 |
| | .1939 |

MACH (3) = 1.503 BETA (3) = -.070 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

| | |
|------|-------|
| .102 | .0812 |
| .301 | .2919 |
| .500 | .3637 |
| .700 | .3394 |
| | .4198 |
| | .0000 |
| | .1286 |

MACH (3) = 1.503 BETA (4) = 1.910 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

| | |
|------|-------|
| .102 | .2201 |
| .301 | .2605 |
| .500 | .2896 |
| .700 | .2412 |
| | .2949 |
| | .1091 |

MACH (3) = 1.503 BETA (5) = 3.980 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

| | |
|------|-------|
| .102 | .2801 |
| .301 | .2463 |
| .500 | .2465 |
| .700 | .1981 |
| | .2100 |
| | .0000 |
| | .0192 |



DATE ON OCT 74 TABULATED SOURCE DATA, R.I. TWT 201 - 1A69

08F4L031

1A69 CI F1 LOWER WING SURFACE

MAO4 (4) = 1.991 BETA (1) = -3.030 RV/L = 13.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

27/8 .3610 .4996 .6390 .7770

X/C

.102 .1900
.301 .0904
.500 .2951 .0866 .0000
.700 .3499

MAO4 (4) = 1.991 BETA (2) = -1.900 RV/L = 13.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

27/8 .3610 .4996 .6390 .7770

X/C

.102 .1409
.301 .0632
.500 .2395 .0996 .0000
.700 .2974

MAO4 (4) = 1.991 BETA (3) = .050 RV/L = 13.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

27/8 .3610 .4996 .6390 .7770

X/C

.102 .1521
.301 .0862
.500 .2609 .2552 .0000
.700 .1801

MAO4 (4) = 1.991 BETA (4) = 2.050 RV/L = 13.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

27/8 .3610 .4996 .6390 .7770

X/C

.102 .1091
.301 .1085
.500 .2373 .2565 .0000
.700 .1460



DATE 03 OCT 74

TABULATED SOURCE DATA, R.I. TWT 501 - 1A69

PAGE 168

(074L03)

LOWER WING SURFACE

WING (4) = 1.901 BETA (5) = 3.000 RVL = 13.000

SECTION (3) LOWER WING DEPENDENT VARIABLE CP

27/9 .3610 .4006 .6360 .7770

X/C

.102

.0872

.301

.1967

.503

.2137

.700

.2180

.0000



1A68 C1 P1 M (1) LOWER MINE SURFACE

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

REF = 2600.000 S2.FT. WARP = .0000
 LREF = 1320.3000 IN. WARP = .0000
 RREF = 1320.3000 IN. WARP = .0000
 SCALE = .0040

WACH (1) = .006 ALPHA (1) = -3.070 RAVL = 6.500

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6360 .7770

W/C

.102
 .301
 .500
 .700
 -.0061
 .0165
 .0256
 .0049
 -.0092
 -.1979
 -.4548

WACH (1) = .006 ALPHA (2) = -2.000 RAVL = 6.500

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6360 .7770

W/C

.102
 .301
 .500
 .700
 .0000
 .0000
 .0000
 .0000
 .0000
 .0000

WACH (1) = .006 ALPHA (3) = .000 RAVL = 6.500

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6360 .7770

W/C

.102
 .301
 .500
 .700
 .0000
 .0000
 .0000
 .0000
 .0000
 .0000

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 ORIGINAL PAGE IS POOR

DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 281 - 1468
 1468 C1 F1 M1(1) LOWER MING SURFACE
 (REF104)

MACI (1) = .686 ALPHA (4) = 2.000 RVL = 6.500

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6380 .7770

Y/C
 .102 .0000
 .301 .0000
 .500 .0000
 .700 .0000

MACI (1) = .686 ALPHA (5) = 304.000 RVL = 6.500

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6380 .7770

Y/C
 .102 .0000
 .301 .0000
 .500 .0000
 .700 .0000

MACI (2) = 1.211 ALPHA (1) = -3.910 RVL = 7.400

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6380 .7770

Y/C
 .102 .1238
 .301 .1156
 .500 .2427
 .700 -.0499

MACI (2) = 1.211 ALPHA (2) = -1.930 RVL = 7.400

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/B .3610 .4996 .6380 .7770

Y/C
 .102 .1931
 .301 .1501
 .500 .2621
 .700 -.0288

DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TMT 201 - 1A60
 1A60 C1 F1 M1(1) LOWER MING SURFACE
 07-4104

MAOI (2) = 1.211 ALPHA (3) = .000 RM/L = 7.400

SECTION (1) LOWER MING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2403
 .301 .1929
 .500 .2677 .2915 .2965 .2410
 .700 -.0287

MAOI (2) = 1.211 ALPHA (4) = 1.950 RM/L = 7.400

SECTION (1) LOWER MING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6380 .7770

X/C

.102 .3096
 .301 .2621
 .500 .2673 .2966 .2657 .2433
 .700 -.0275

MAOI (2) = 1.211 ALPHA (5) = 3.900 RM/L = 7.400

SECTION (1) LOWER MING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6380 .7770

X/C

.102 .3950
 .301 .2537
 .500 .2968 .3099 .2956 .2574
 .700 -.0244

MAOI (3) = 1.503 ALPHA (1) = -3.950 RM/L = 9.600

SECTION (1) LOWER MING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6380 .7770

X/C

.102 -.0724
 .301 .2709
 .500 .2796 .2596 .2736 .2264
 .700 .1111

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DATE 08 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(REF ALG 1)

1A68 C1 F1 M1 (1) LOWER MING SURFACE

MACH (3) = 1.503 ALPHA (2) = -1.670 RVL = 9.800

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0363
.301 .2803
.500 .3146 .2965 .3226
.700 .1291

MACH (3) = 1.503 ALPHA (3) = .070 RVL = 9.800

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0832
.301 .2737
.500 .3504 .3029 .3448
.700 .1227

MACH (3) = 1.503 ALPHA (4) = 1.990 RVL = 9.800

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2837
.301 .2967
.500 .3641 .3460 .3979
.700 .1446

MACH (3) = 1.503 ALPHA (5) = 3.930 RVL = 9.800

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .4067
.301 .2877
.500 .3605 .3532 .3796 .4530
.700 .1405



DATE ON OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

63-41041

1A69 C1 F1 M(1) LOWER WING SURFACE

MACH (4) = 1.991 ALPHA (1) = -3.910 RVL = 13.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 .0821

.301 -.0597

.500 .1976 .1740 .1028 .0000

.700 .1412

MACH (4) = 1.991 ALPHA (2) = -2.000 RVL = 13.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 .1167

.301 .0012

.500 .2572 .2473 .1622 .0000

.700 .1684

MACH (4) = 1.991 ALPHA (3) = -.020 RVL = 13.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 .1428

.301 .0595

.500 .3055 .2970 .2668 .0000

.700 .1693

MACH (4) = 1.991 ALPHA (4) = 1.910 RVL = 13.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 .1576

.301 .1445

.500 .3095 .3461 .3284 .0000

.700 .2145

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TMT 201 - 1A68

06F4LU4)

LOWER WING SURFACE

1A68 C1 F1 M1 (1)

RV/L = 13.800

ALPHA (5) = 3.850

1.991

MACN (4) =

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

27/8 .3610 .4996 .6390 .7770

X/C

.102

.1922

.301

.3684

.500

.3497

.700

.2925

.0000

DATE 01 OCT 74

REFALDS (18 APR 74)

LOWER WING SURFACE

PARAMETRIC DATA

ALPHA = .000

REFERENCE DATA

SEEF = 2690.0000 93.71. 349P = .0000
 USEF = 1328.3000 IN. 149P = .0000
 SEEF = 1328.3000 IN. 249P = .0000
 SCALE = .0040

MACH (1) = .896 BETA (1) = -3.860 RV/L = 6.700

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2109
 .301 .2015
 .502 .2464 .0160 -.1053
 .700 -.3790

MACH (1) = .896 BETA (2) = -1.860 RV/L = 6.700

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6380 .7770

X/C

.102 .1471
 .301 .1923
 .502 .1980 .1002 -.0103 -.1317
 .700 -.3926

MACH (1) = .896 BETA (3) = .030 RV/L = 6.700

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0597
 .301 .0773
 .502 .0776 .0306 -.0493 -.1593
 .700 -.4426

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(RF4L05)

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

1A68 C1 F1 M1(1) LOWER MINE SURFACE

MAOH (1) = .896 BETA (4) = 1.960 RV/L = 6.700

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0091
.301 .0317
.500 .0165
.700 -.0440
-.1882
-.4602

MAOH (1) = .896 BETA (5) = 3.910 RV/L = 6.700

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 -.0022
.301 .0204
.500 .0420
.700 -.0627
-.1513
-.2397
-.4606

MAOH (2) = 1.209 BETA (1) = -3.860 RV/L = 7.400

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .3499
.301 .3614
.500 .4708
.700 .4152
.0379 .3513
.2769

MAOH (2) = 1.209 BETA (2) = -1.950 RV/L = 7.400

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2979
.301 .3110
.500 .4161
.700 .3721
.0136 .3227
.2546



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(REFLDS)

1A68 CI FI MI(1) LOWER WING SURFACE

MACH (2) = 1.209 BETA (3) = -.040 RV/L = 7.400

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 .2584
.301 .2016
.500 .2613
.700 .2870 .2402
-.0282

MACH (2) = 1.209 BETA (4) = 1.970 RV/L = 7.400

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 .2205
.301 .2087
.500 .2063 .1623 .1982
.700 -.1205

MACH (2) = 1.209 BETA (5) = 3.920 RV/L = 7.400

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 .2041
.301 .1853
.500 .1704 .1071 .1123
.700 -.1882

MACH (3) = 1.503 BETA (1) = -3.970 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 .1547
.301 .3966
.500 .4934 .5032 .5046
.700 .2507

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TMF 281 - 1A68

(RF4L03)

1A68 C1 F1 M1(1) LOWER WING SURFACE

MACH (3) = 1.503 BETA (2) = -2.050 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 .1098
.301 .3652
.500 .4244
.700 .4209
.700 .2110

MACH (3) = 1.503 BETA (3) = -.130 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 .1365
.301 .2760
.500 .3507
.700 .3344
.700 .3114
.700 .1181

MACH (3) = 1.503 BETA (4) = 1.800 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 .2379
.301 .2613
.500 .2802
.700 .2596
.700 .2328
.700 .2321
.700 .0907

MACH (3) = 1.503 BETA (5) = 3.840 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

27/8 .3610 .4996 .6380 .7770

X/C

.102 .2749
.301 .2585
.500 .2396
.700 .1915
.700 .1665
.700 .1478
.700 -.0279



DATE 01 OCT 74
 LABELED SOURCE DATA, R.I. TWT 261 - 1A68
 1A68 CI F1 M(1) LOWER MINE SURFACE
 (RE4LOS)

MOI (4) = 1.991 BETA (1) = -3.790 RV/L = 13.600

SECTION (1) LOWER MINE DEPENDENT VARIABLE OF

Z/B .3610 .4996 .6360 .7770

X/C
 .102 .1646
 .301 .1127
 .500 .3901 .3002 .0000
 .700 .4132

MOI (4) = 1.991 BETA (2) = -1.670 RV/L = 13.600

SECTION (1) LOWER MINE DEPENDENT VARIABLE OF

Z/B .3610 .4996 .6360 .7770

X/C
 .102 .1606
 .301 .0773
 .500 .3089 .2902 .2226 .0000
 .700 .3923

MOI (4) = 1.991 BETA (3) = -.010 RV/L = 13.600

SECTION (1) LOWER MINE DEPENDENT VARIABLE OF

Z/B .3610 .4996 .6360 .7770

X/C
 .102 .1461
 .301 .0760
 .500 .3130 .3117 .3040 .0000
 .700 .1919

MOI (4) = 1.991 BETA (4) = 1.950 RV/L = 13.600

SECTION (1) LOWER MINE DEPENDENT VARIABLE OF

Z/B .3610 .4996 .6360 .7770

X/C
 .102 .1134
 .301 .2019
 .500 .2610 .2686 .2573 .0000
 .700 .1309

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DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TMT 281 - 1A68

(RF4L05)

LOWER MING SURFACE

1A68 C1 F1 M1 (1)

RVL = 13.600

MACH (4) = 1.991 BETA (5) = 3.790

DEPENDENT VARIABLE CP

SECTION (1) LOWER 1-ING

21/8 .3610 .4996 .6380 .7770

X/C

.102

.301

.500

.700

.1735

.2216

.2100

.0892

.2090

.0000



TABULATED SOURCE DATA, R.I. TMT 281 - 1A69

0654L06 (18 APR 74)

LOWER WING SURFACE

1A69 C1 F1 M2(1)

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

REF = 2890.0000 SA.FT. WAP = .0000
 REF = 1329.3000 IN. WAP = .0000
 REF = 1329.3000 IN. WAP = .0000
 SCALE = .0040

WAO1 (1) = .006 ALPHA (1) = .000 RVL = 6.300

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6390 .7770

X/C

.102 .0278
 .301 .0415
 .500 .0211 -.0753 -.1657
 .700 -.4353

WAO1 (2) = 1.223 ALPHA (1) = .000 RVL = 7.300

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .6390 .7770

X/C

.102 .1705
 .301 .0763
 .500 .2691 .3082 .3531 .2461
 .700 -.0145

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DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68
 1A68 C1 F1 M2(1) + FILLET LOWER WING SURFACE

(REFALD7) (18 APR 74)

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SRF = 2690.0000 SQ.FT. WARP = .0000
 LREF = 1328.3000 IN. WARP = .0000
 BRF = 1328.3000 IN. ZARP = .0000
 SCALE = .0040

MACH (1) = .896 ALPHA (1) = -3.670 RNL = 6.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6380 .7770

X/C

.102 -.0866
 .301 -.0213
 .500 -.0010 -.0836 -.1250 -.1998
 .700 -.4781

MACH (1) = .896 ALPHA (2) = -1.920 RNL = 6.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6380 .7770

X/C

.102 -.0403
 .301 .0153
 .500 .0102 -.0429 -.0786 -.1564
 .700 -.4608

MACH (1) = .896 ALPHA (3) = .000 RNL = 6.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0562
 .301 .0570
 .500 .0469 .0033 -.0627 -.1514
 .700 -.4473



DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 201 - 1A68
 1A68 C1 F1 M2(1) + FILLET LOWER WING SURFACE
 (654L137)

MACH (1) = .886 ALPHA (4) = 1.890 RWL = 6.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/F .3610 .4996 .6380 .7770

X/C

.102 .1273
 .301 .1036
 .500 .0992 .0444 -.0340 -.1256
 .700 -.4294

MACH (1) = .886 ALPHA (5) = 3.790 RWL = 6.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/F .3610 .4996 .6380 .7770

X/C

.102 .2134
 .301 .1639
 .500 .1488 .0799 -.0024 -.0867
 .700 -.4294

MACH (2) = 1.206 ALPHA (1) = -3.950 RWL = 7.400

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/F .3610 .4996 .6380 .7770

X/C

.102 .1245
 .301 .1644
 .500 .1936 .1189 .1137 .1797
 .700 -.1477

MACH (2) = 1.206 ALPHA (2) = -2.000 RWL = 7.400

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/F .3610 .4996 .6380 .7770

X/C

.102 .1737
 .301 .1951
 .500 .2193 .1604 .2299 .2309
 .700 -.1299

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 294 - 1A68
1A68 CI FI M2(1) + FILLET LOWER WING SURFACE

(REF4LO7)

MACH (2) = 1.206 ALPHA (3) = -.070 RV/L = 7.400

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

1/C

.102 .2456

.301 .2469

.500 .2558 .7396 .2691 .2561

.700 -.0276

MACH (2) = 1.206 ALPHA (4) = 1.870 RV/L = 7.400

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

1/C

.102 .3099

.301 .2788

.500 .2696 .2779 .2797 .2499

.700 -.0460

MACH (2) = 1.206 ALPHA (5) = 3.850 RV/L = 7.400

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

1/C

.102 .3787

.301 .3193

.500 .3026 .3144 .3086 .2699

.700 -.0313

MACH (2) = 1.503 ALPHA (1) = -3.850 RV/L = 9.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

1/C

.102 -.0130

.301 .2083

.500 .1927 .1344 .1317 .0000

.700 -.0217

DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TMT 201 - 1A69
 1A69 C1 F1 M2(1) + FILLET LOWER WING SURFACE

(85-4167)

MACI (3) = 1.503 ALPHA (2) = -1.900 RVL = 9.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .0650
 .301 .2519
 .500 .2266 .1913 .1667 .0000
 .700 .0404

MACI (3) = 1.503 ALPHA (3) = .010 RVL = 9.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .2008
 .301 .2416
 .500 .2666 .2512 .2502 .0000
 .700 .1013

MACI (3) = 1.503 ALPHA (4) = 1.940 RVL = 9.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .3056
 .301 .2637
 .500 .3229 .3164 .3376 .0000
 .700 .1419

MACI (3) = 1.503 ALPHA (5) = 3.610 RVL = 9.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .3696
 .301 .3125
 .500 .3912 .3915 .4541 .0000
 .700 .1672

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DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 281 - 1468
 1468 C1 F1 N2(1) + FILLET LOWER MING SURFACE

GG4L571

MAO4 (4) = 1.991 ALPHA (1) = -4.080 RVL = 10.600

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0462
 .301 .0988
 .500 .1987 .1604 .0000
 .700 .0998

MAO4 (4) = 1.991 ALPHA (2) = -1.900 RVL = 10.600

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .1159
 .301 .0822
 .500 .1650 .2163 .1662 .0000
 .700 .1182

MAO4 (4) = 1.991 ALPHA (3) = .100 RVL = 10.600

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .1486
 .301 .1163
 .500 .2545 .2728 .2637 .0000
 .700 .1743

MAO4 (4) = 1.991 ALPHA (4) = 2.128 RVL = 10.600

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .1653
 .301 .1471
 .500 .3161 .3296 .3296 .0000
 .700 .2176



05FALJ77

DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. REF 201 - 1A63
 1A63 C1 F1 M2(1) + FILLET LOWER MING SURFACE

MACH (4) = 1.991 ALPHA (5) = 4.070 RVL = 10.600

SECTION (1) LOWER MING DEPENDENT VARIABLE OF

Z1/B .3610 .4996 .7770

Z/C

.102
 .301
 .500
 .700

.1981
 .1484
 .3343
 .3087
 .0000
 .2682

(SF4LD8) (18 APR 6)

TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

1A69 C1 F1 2(1) + FILLET LOWER WING SURFACE

PARAMETRIC DATA

ALPHA = .020

DATE 01 OCT 74

REFERENCE DATA

$S_{REF} = 2890.0000 \text{ SQ.FT.}$ $MARP = .0210$
 $L_{REF} = 1328.3000 \text{ IN.}$ $Y_{ARP} = .0210$
 $B_{REF} = 1328.3000 \text{ IN.}$ $Z_{ARP} = .0000$
 $SCALE = .0040$

MACH (1) = .886 BETA (1) = -3.930 RV/L = 6.700

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .1574
 .301 .1640
 .500 .2186 .1121 .0033 -.1029
 .700 -.3853

MACH (1) = .886 BETA (2) = -1.980 RV/L = 6.700

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .0853
 .301 .1095
 .500 .1473 .0669 -.0234 -.1250
 .700 -.4087

MACH (1) = .886 BETA (3) = -.050 RV/L = 6.700

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .0447
 .301 .0628
 .500 .0889 .0136 -.0568 -.1469
 .700 -.4438

DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 281 - 1A69
 1A69 C1 F1 M2(1) + FILL: LOWER MINE SURFACE
 (9F4L024)

MACH (1) = .686 BETA (4) = 1.680 RVL = 6.700

SECTION (1) LOWER MINE DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 .0394
 .301 .0329
 .500 .0464
 .700 .0318
 .0004 -.1644
 -.4410

MACH (1) = .686 BETA (5) = 3.610 RVL = 5.700

SECTION (1) LOWER MINE DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 .0484
 .301 .0484
 .500 .0372
 .700 -.1177
 -.0333
 -.1916
 -.4473

MACH (2) = 1.210 BETA (1) = -3.680 RVL = 7.500

SECTION (1) LOWER MINE DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 .2919
 .301 .3269
 .500 .4193
 .700 .3658
 .0242
 .2740

MACH (2) = 1.210 BETA (2) = -1.630 RVL = 7.500

SECTION (1) LOWER MINE DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6360 .7770

X/C

.102 .2572
 .301 .2290
 .500 .2956
 .700 .3204
 .0004 .3372
 -.0054 .2839

DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TMT 201 - 1A69
 1A69 C1 F1 M2(1) + FILLET LOWER MING SURFACE
 (RFALLD8)

MAOH (2) = 1.210 BETA (3) = .140 RVL = 7.500

SECTION (1) LOWER MING DEPENDENT VARIABLE OF

27/8 .3610 .4996 .6360 .7770

X/C

.102 .2407
 .301 .2402
 .500 .2460 .2745 .2629
 .700 -.0592

MAOH (2) = 1.210 BETA (4) = 2.130 RVL = 7.500

SECTION (1) LOWER MING DEPENDENT VARIABLE OF

27/8 .3610 .4996 .6360 .7770

X/C

.102 .2366
 .301 .2320
 .500 .2361 .2125 .2149 .2168
 .700 -.1036

MAOH (2) = 1.210 BETA (5) = 4.070 RVL = 7.500

SECTION (1) LOWER MING DEPENDENT VARIABLE OF

27/8 .3610 .4996 .6360 .7770

X/C

.102 .2258
 .301 .2162
 .500 .2106 .1756 .1644 .1761
 .700 -.1413

MAOH (3) = 1.991 BETA (1) = -3.800 RVL = 10.600

SECTION (1) LOWER MING DEPENDENT VARIABLE OF

27/8 .3610 .4996 .6360 .7770

X/C

.102 .1709
 .301 .0973
 .500 .3055 .2657 .1349 .0000
 .700 .3202

DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TMF 201 - 1A68
 1A68 C1 F1 M2(1) + FILLET LOWER WING SURFACE
 (RFLD08)

MACH (3) = 1.991 BETA (2) = -1.760 RV/L = 10.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .1721
 .301 .0668
 .500 .3067 .2466 .0300
 .700 .2236

MACH (3) = 1.991 BETA (3) = .210 RV/L = 10.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .1470
 .301 .0661
 .500 .2727 .2740 .0300
 .700 .1633

MACH (3) = 1.991 BETA (4) = 2.160 RV/L = 10.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .1149
 .301 .1608
 .500 .2300 .2191 .0300
 .700 .1129

MACH (3) = 1.991 BETA (5) = 4.060 RV/L = 10.600

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .1036
 .301 .1917
 .500 .2134 .1998 .0300
 .700 .0693

DATE 01 OCT 74

REF4LOS (18 APR 74)

1A68 C1 F1 H3(1) M4(1) LOWER WING SURFACE

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XGRP = .0000
 LREF = 1328.3000 IN. YGRP = .0000
 BREF = 1328.3000 IN. ZGRP = .0000
 SCALE = .0040

MACH (1) = .696 ALPHA (1) = -3.900 RV/L = 6.500

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6360 .7770

X/C
 .102 -.0897
 .301 .0257
 .500 .0223 -.1591
 .700 -.4536

MACH (1) = .696 ALPHA (2) = -1.940 RV/L = 6.500

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6360 .7770

X/C
 .102 -.0200
 .301 .0517
 .500 .0257 -.0431 -.1507
 .700 -.4421

MACH (1) = .696 ALPHA (3) = .000 RV/L = 6.500

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6360 .7770

X/C
 .172 .0519
 .301 .0952
 .500 .0947 -.0402 -.1411
 .700 -.4356

DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TWT 201 - 1469
 1469 CI F1 MS(1) MS(1) LOWER MINE SURFACE
 (0F4L03)

MAOH (1) = .696 ALPHA (4) = 1.910 RV/L = 6.500

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .1204

.301 .1214

.500 .1144 .0576 -.0260 -.1279

.700 -.4336

MAOH (1) = .696 ALPHA (5) = 3.040 RV/L = 6.500

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .1611

.301 .1541

.500 .1306 .0731 -.0141 -.1105

.700 -.4316

MAOH (2) = 1.209 ALPHA (1) = -.940 RV/L = 7.500

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .0732

.301 .0957

.500 .2549 .2127 .2621 .2248

.700 -.0545

MAOH (2) = 1.209 ALPHA (2) = -1.960 RV/L = 7.500

SECTION (1) LOWER MINE DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6360 .7770

X/C

.102 .1370

.301 .1255

.500 .2559 .2606 .3086 .2567

.700 -.0312

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DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4109)

1A68 C1 F1 M9(1) M4(1) LOWER WING SURFACE

MACH (2) = 1.209 ALPHA (3) = -.030 RV/L = 7.200

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .1682
 .301 .1757
 .500 .2917 .3244 .2594
 .700 -.0273

MACH (2) = 1.209 ALPHA (4) = 1.900 RV/L = 7.200

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2560
 .301 .2539
 .500 .2984 .3100 .3086
 .700 -.0235

MACH (2) = 1.209 ALPHA (5) = 3.680 RV/L = 7.200

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .3064
 .301 .3055
 .500 .3165 .3243 .3081 .2672
 .700 -.0230

MACH (3) = 1.503 ALPHA (1) = -3.680 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 -.1041
 .301 .2393
 .500 .2965 .2548 .2517 .1695
 .700 .1176



DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 201 - 1A69 69F4LD3)

1A69 C1 F1 M3(1) M4(1)

LOWER WING SURFACE

MACH (3) = 1.503 ALPHA (2) = -1.820 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 -.0104
.301 .2667
.500 .3069 .2869 .2527
.700 .1549

MACH (3) = 1.503 ALPHA (3) = .120 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .0880
.301 .2799
.500 .3471 .3303 .2816 .2910
.700 .1569

MACH (3) = 1.503 ALPHA (4) = 2.120 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .2556
.301 .2925
.500 .3666 .3021 .3189 .3629
.700 .1661

MACH (3) = 1.503 ALPHA (5) = 4.030 RV/L = 9.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Z/Y/B .3610 .4996 .6380 .7770

X/C

.102 .3918
.301 .2814
.500 .3771 .3751 .3617 .4755
.700 .1613

TABULATED SOURCE DATA, R.I. TMT 281 - 1A69

(RFALJD) (18 AN 74)

LOWER WING SURFACE

1A69 C1 F1 NS(1) M9(1)

PARAMETRIC DATA

ALPHA = .0320

REFERENCE DATA

REF = 2690.0000 90.FT. 346P = .0000
 LREF = 1328.3000 IN. 146P = .0000
 BREF = 1328.3000 IN. 246P = .0000
 SCALE = .0040

MACH (1) = .697 BETA (1) = -3.920 RV/L = 6.500

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .1455
 .301 .1923
 .500 .2643 .1469 .0209 -.0936
 .700 -.3690

MACH (1) = .697 BETA (2) = -1.970 RV/L = 6.500

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .1136
 .301 .1554
 .500 .2219 .1165 -.0017 -.1153
 .700 -.3816

MACH (1) = .697 BETA (3) = -.050 RV/L = 6.500

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0826
 .301 .0950
 .500 .0912 .0403 -.0403 -.1409
 .700 -.4371



06F4L109

DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TMT 201 - 1A69

1A69 CI F1 MS(1) MM(1) LOWER MING SURFACE

MAO1 (1) = .697 BETA (4) = 1.630 RV/L = 6.500

SECTION (1) LOWER MING DEPENDENT VARIABLE OP

21/8 .3610 .4996 .6360 .7770

X/C
.102 .0421
.301 .0404
.500 -.0422 -.0858 -.1705
.700 -.4512

MAO1 (1) = .697 BETA (5) = 3.840 RV/L = 6.500

SECTION (1) LOWER MING DEPENDENT VARIABLE OP

21/8 .3610 .4996 .6360 .7770

X/C
.102 .0630
.301 .0246
.500 .0805 -.0572 -.1311 -.2261
.700 -.4214

MAO1 (2) = 1.210 BETA (1) = -3.930 RV/L = 7.400

SECTION (1) LOWER MING DEPENDENT VARIABLE OP

21/8 .3610 .4996 .6360 .7770

X/C
.102 .2596
.301 .3694
.500 .5065 .4418 .3632 .3027
.700 .0529

MAO1 (2) = 1.210 BETA (2) = -2.070 RV/L = 7.400

SECTION (1) LOWER MING DEPENDENT VARIABLE OP

21/8 .3610 .4996 .6360 .7770

X/C
.102 .2049
.301 .3039
.500 .4406 .3947 .3503 .2827
.700 .0281

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DATE 01 OCT 74

TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

(RF4L1U)

MACH (2) = 1.210 BETA (3) = -.130 RV/L = 7.400

SECTION (1) LOWER WING

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2010
.301 .1806
.500 .2973 .3245 .2609
.700 -.0216

MACH (2) = 1.210 BETA (4) = 1.620 RV/L = 7.400

SECTION (1) LOWER WING

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2173
.301 .2058
.500 .2066 .1711 .2180 .2456
.700 -.1063

MACH (2) = 1.210 BETA (5) = 3.780 RV/L = 7.400

SECTION (1) LOWER WING

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2116
.301 .1908
.500 .1736 .1101 .0923 .1347
.700 -.1853

TABULATED SOURCE DATA, R.I. TMF 281 - 1A68

DATE 01 OCT 74

(REF 11) (18 APR 74)

LOWER MING SURFACE

1A68 C1 F1 M1 (1)

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SECF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1328.3000 IN. YMRP = .0000
 UREF = 1328.3000 IN. ZMRP = .0000
 SCALE = .0040

MACH (1) = 1.503 ALPHA (1) = -3.700 RV/L = 9.600

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .4181
 .301 .3361
 .500 .3626 .3675 .4120 .0000
 .700 .1509

MACH (1) = 1.503 ALPHA (2) = -1.790 RV/L = 9.600

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .3515
 .301 .3019
 .500 .3717 .3531 .3672 .0000
 .700 .1389

MACH (1) = 1.503 ALPHA (3) = .120 RV/L = 9.600

SECTION (1) LOWER MING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .2369
 .301 .2754
 .500 .3625 .3413 .3511 .0000
 .700 .1556

DATE 01 OCT 74 TABULATED SOURCE DATA, R.I. TWT 281 - 1A68

1A68 C1 F1 M1 (1) LOWER WING SURFACE (REF 111)

MACH (1) = 1.503 ALPHA (4) = 2.010 RV/L = 9.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0239
.301 .2541
.500 .3163 .3017 .2984 .0000
.700 .1181

MACH (1) = 1.503 ALPHA (5) = 4.040 RV/L = 9.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 -.1275
.301 .2677
.500 .2715 .2476 .2469 .0000
.700 .1041

MACH (2) = 1.991 ALPHA (1) = -3.860 RV/L = 13.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .0800
.301 -.0406
.500 .2152 .1826 .1239 .0000
.700 .1212

MACH (2) = 1.991 ALPHA (2) = -1.940 RV/L = 13.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C

.102 .1141
.301 -.0191
.500 .2482 .2354 .1977 .0000
.700 .1559



DATE 01 OCT 74
 TABULATED SOURCE DATA, R.I. TMT 281 - 1A68
 1A68 CI F1 M1 (1) LOWER WING SURFACE
 (REF411)

MACH (2) = 1.991 ALPHA (3) = .000 RV/L = 13.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C
 .102 .1418
 .301 .0275
 .500 .3040 .3055 .0000
 .700 .1916

MACH (2) = 1.991 ALPHA (4) = 1.980 RV/L = 13.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C
 .102 .1396
 .301 .1562
 .500 .3404 .3368 .0000
 .700 .2149

MACH (2) = 1.991 ALPHA (5) = 3.910 RV/L = 13.800

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

21/8 .3610 .4996 .6380 .7770

X/C
 .102 .1825
 .301 .3592
 .500 .3563 .3591 .0017
 .700 .2271

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FACE 212

TABULATED SOURCE DATA, R.I. TWT 281 - 1A69

DATE 01 OCT 74

(RF4L12) (14 APR 74)

LOWER WING SURFACE

1A69 C1 F1 M2(1)

PARAMETRIC DATA

BETA = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = .0000
 LREF = 1328.3000 IN. YREF = .0000
 BREF = 1328.3000 IN. ZREF = .0000
 SCALE = .0040

MACH (1) = 1.223 ALPHA (1) = .000 RV/L = 7.300

SECTION (1) LOWER WING DEPENDENT VARIABLE OF

21/8 .3610 .4996 .6390 .7770

X/C

.102 .1705
 .301 .0778
 .500 .2999 .3347 .2472
 .700 -.0136

